

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU073018\
 Data File : VU025722.D
 Acq On : 30 Jul 2018 15:04
 Operator : MD/SY
 Sample : J4188-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 HA-BASELINEWATER-N48971

Quant Time: Jul 31 03:37:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 28 02:19:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	180192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	284441	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	276996	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	164274	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	140456	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
35) Dibromofluoromethane	4.89	113	117634	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	
50) Toluene-d8	7.57	98	415964	48.05	ug/l	0.00
Spiked Amount			Recovery	=	96.10%	
62) 4-Bromofluorobenzene	10.31	95	157878	46.98	ug/l	0.00
Spiked Amount			Recovery	=	93.96%	

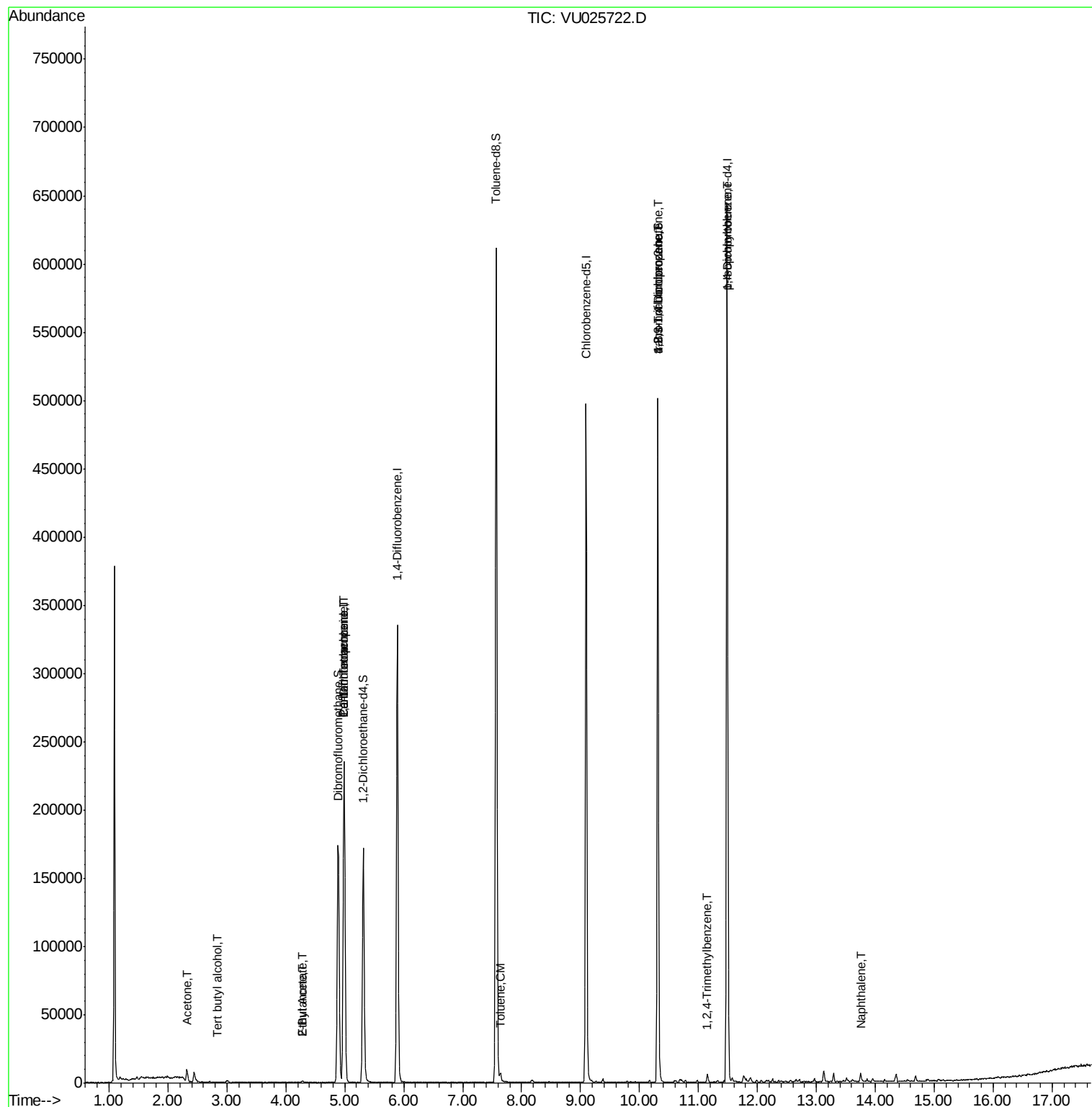
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.83	59	281	0.46	ug/l	# 73
13) Acrolein	2.19	56	66	Below	Cal	89
16) Acetone	2.32	43	8717	6.37	ug/l	95
25) 2-Butanone	4.28	43	2124	1.14	ug/l	96
31) Cyclohexane	4.99	56	3477	Below	Cal	# 1
36) 1,1-Dichloropropene	4.99	75	12910	3.88	ug/l	# 49
37) Ethyl Acetate	4.28	43	2124	0.62	ug/l	# 69
38) Carbon Tetrachloride	4.99	117	17436	4.63	ug/l	# 16
52) Toluene	7.64	92	2329	0.39	ug/l	93
76) 1,2,3-Trichloropropane	10.31	75	81998	23.12	ug/l	# 36
81) trans-1,4-Dichloro-2-buten	10.31	75	81998	62.66	ug/l	# 100
84) 1,2,4-Trimethylbenzene	11.15	105	3594	0.37	ug/l	100
86) p-Isopropyltoluene	11.48	119	22348	2.16	ug/l	95
95) Naphthalene	13.75	128	6390	1.76	ug/l	# 95

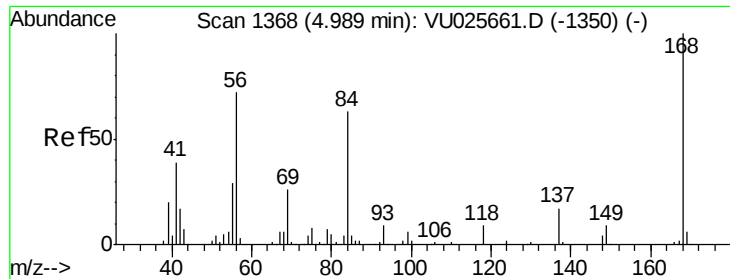
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025722.D

Acq: 30 Jul 2018 15:04

Instrument :

MSVOA_U

ClientSampleId :

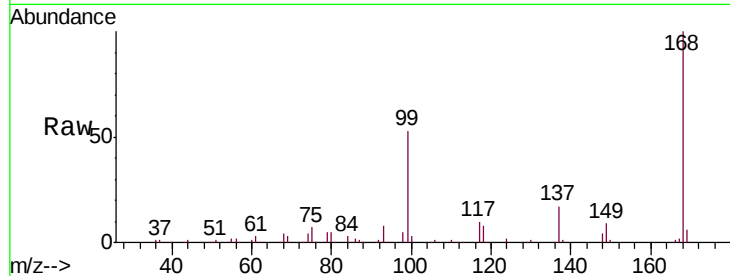
HA-BASELINEWATER-N48971

Tot Ion:168 Resp: 180192

Ion Ratio Lower Upper

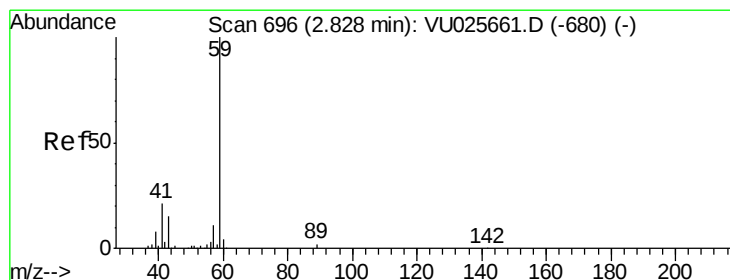
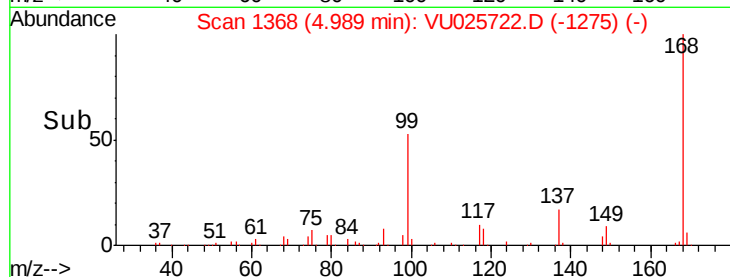
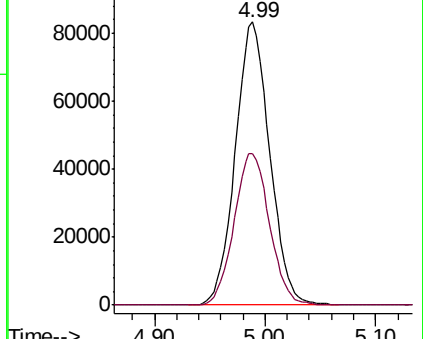
168 100

99 53.4 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025661.D (-1350) (-)



#11

Tert butyl alcohol

Concen: 0.46 ug/l

RT: 2.83 min Scan# 697

Delta R.T. 0.00 min

Lab File: VU025722.D

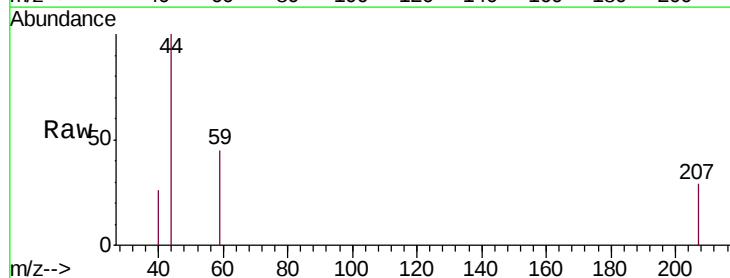
Acq: 30 Jul 2018 15:04

Tgt Ion: 59 Resp: 281

Ion Ratio Lower Upper

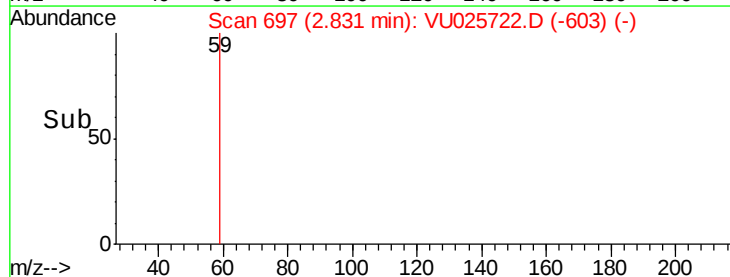
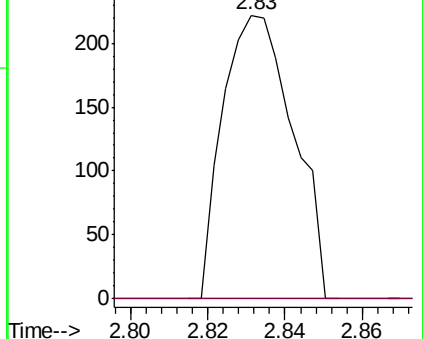
59 100

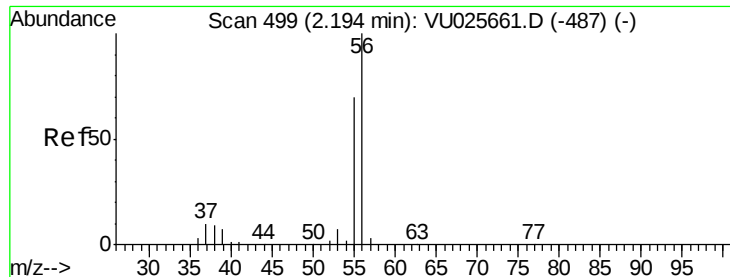
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VU025661.D (-680) (-)

Ion 57.00 (56.70 to 57.70): VU025661.D (-680) (-)





#13

Acrolein

Concen: Below Cal

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025722.D

Acq: 30 Jul 2018 15:04

Instrument :

MSVOA_U

ClientSampleId :

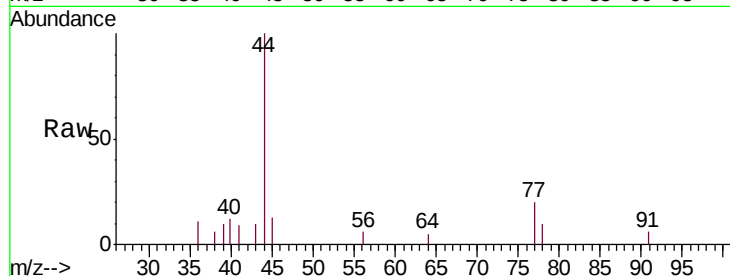
HA-BASELINEWATER-N48971

Tot Ion: 56 Resp: 66

Ion Ratio Lower Upper

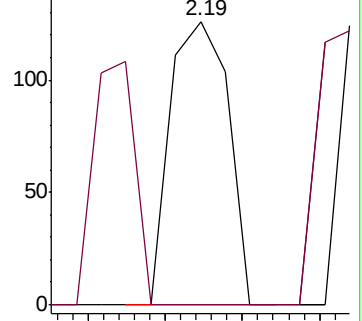
56 100

55 62.1 57.2 85.8

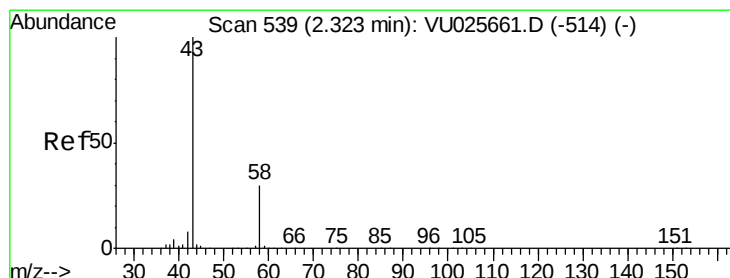
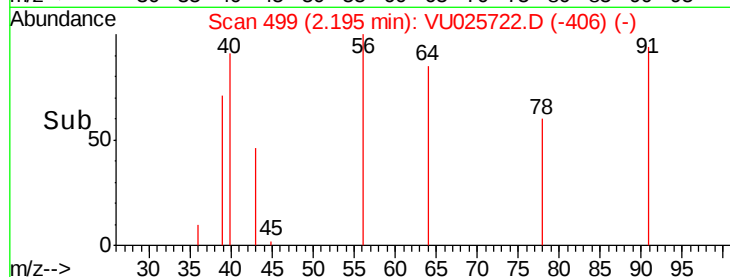


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



Time-->



#16

Acetone

Concen: 6.37 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025722.D

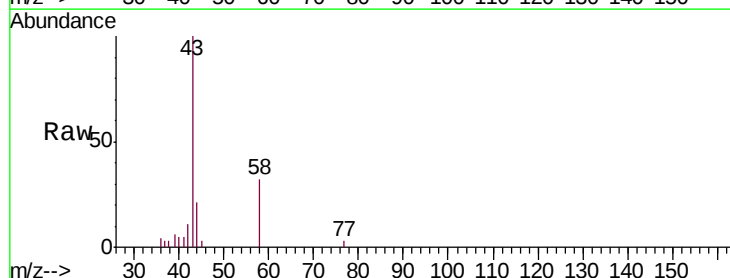
Acq: 30 Jul 2018 15:04

Tgt Ion: 43 Resp: 8717

Ion Ratio Lower Upper

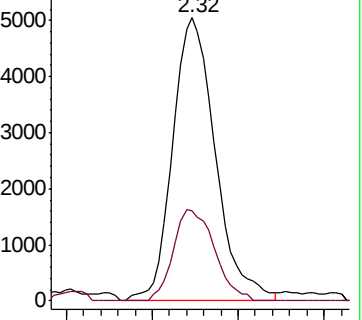
43 100

58 31.8 23.1 34.7

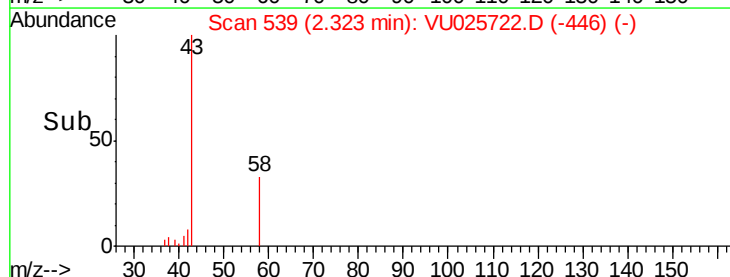


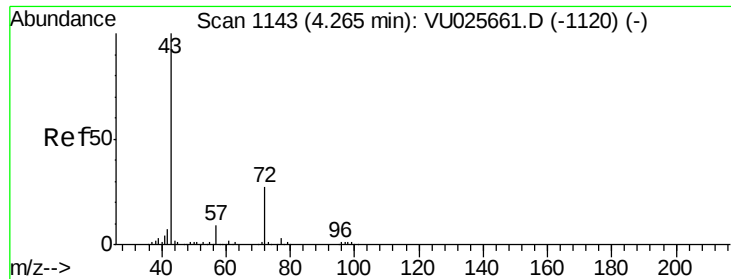
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



Time-->

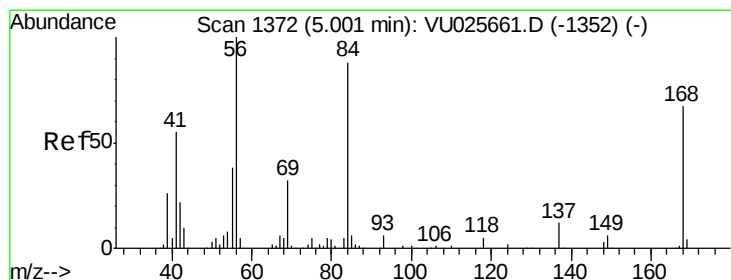
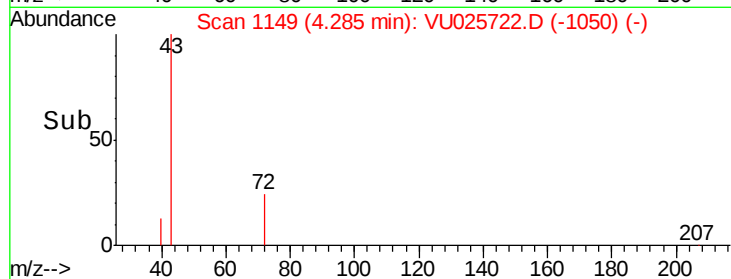
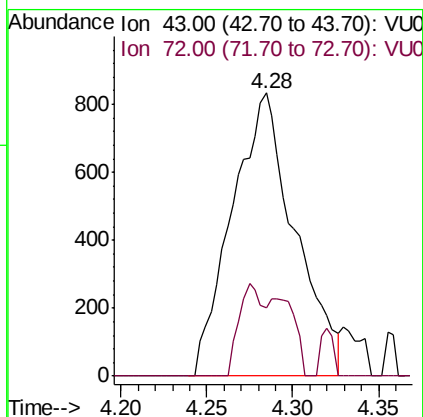
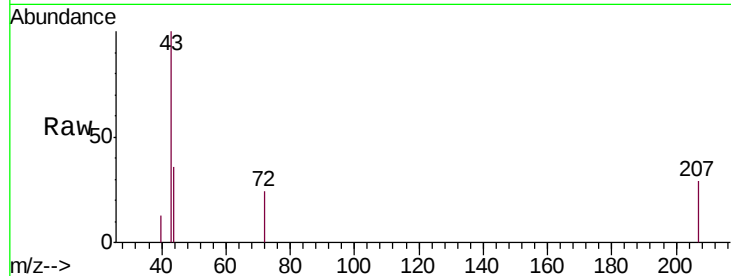




#25
2-Butanone
Concen: 1.14 ug/l
RT: 4.28 min Scan# 1149
Delta R.T. 0.02 min
Lab File: VU025722.D
Acq: 30 Jul 2018 15:04

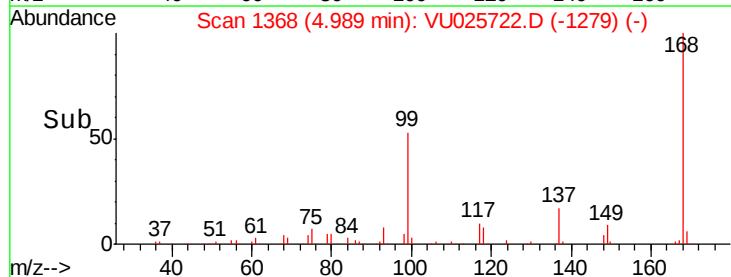
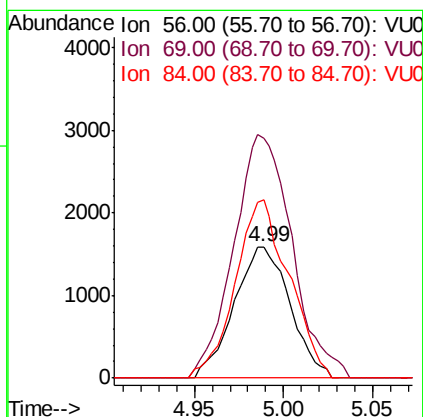
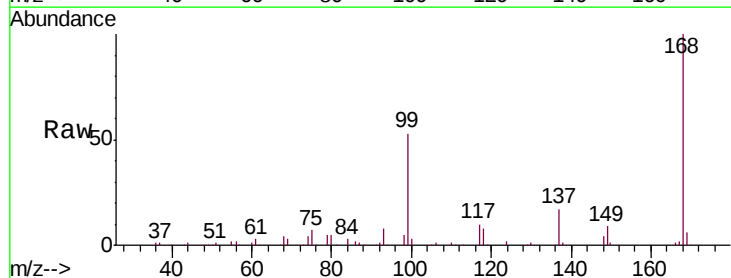
Instrument :
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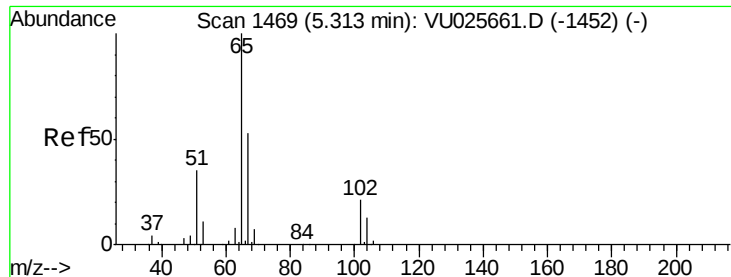
Tot Ion: 43 Resp: 2124
Ion Ratio Lower Upper
43 100
72 24.4 21.0 31.4



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU025722.D
Acq: 30 Jul 2018 15:04

Tgt Ion: 56 Resp: 3477
Ion Ratio Lower Upper
56 100
69 183.3 26.8 40.2#
84 136.4 69.7 104.5#

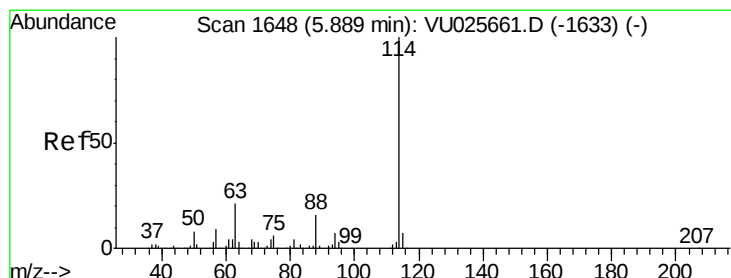
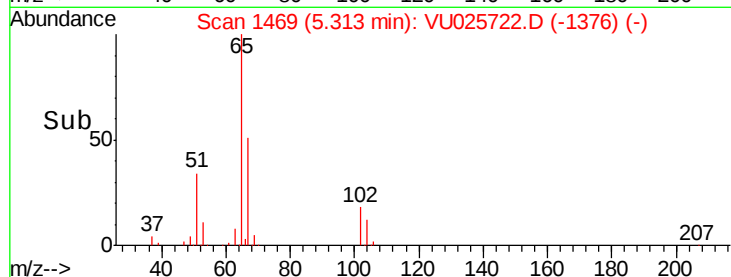
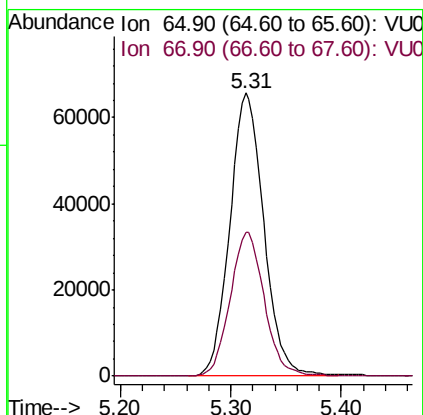
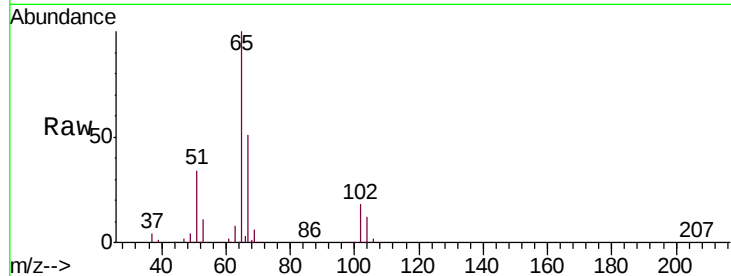




#33
 1,2-Dichloroethane-d4
 Concen: 50.03 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025722.D
 Acq: 30 Jul 2018 15:04

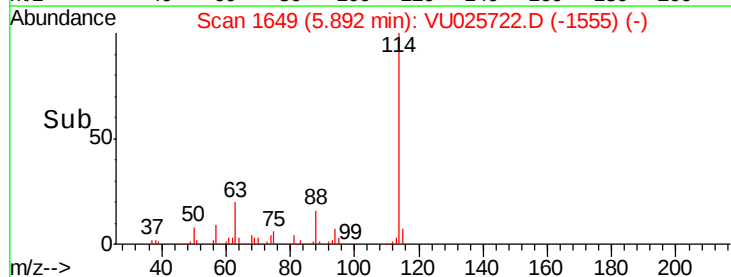
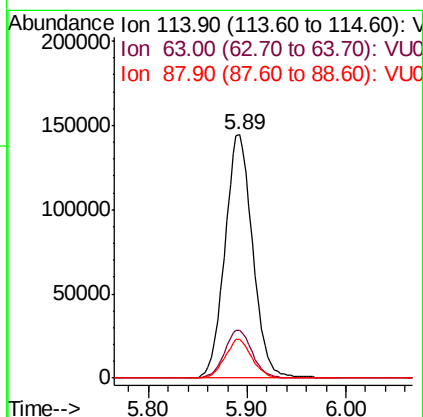
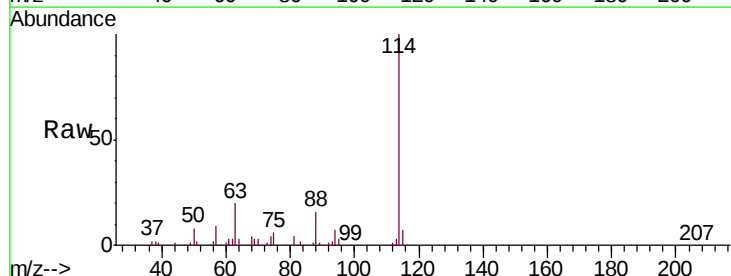
Instrument :
 MSVOA_U
 ClientSampleId :
 HA-BASELINEWATER-N48971

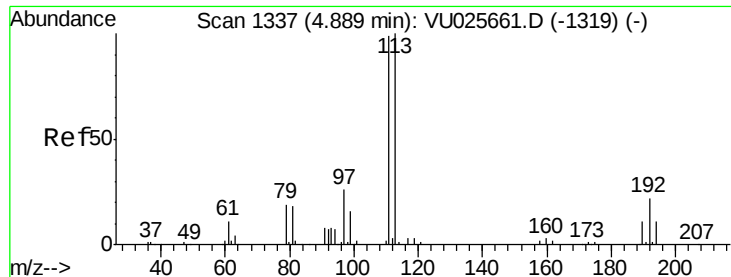
Tot Ion: 65 Resp: 140456
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025722.D
 Acq: 30 Jul 2018 15:04

Tgt Ion: 114 Resp: 284441
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 41.6
 88 15.7 0.0 32.4

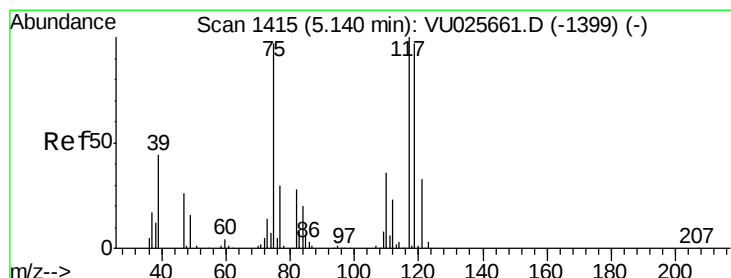
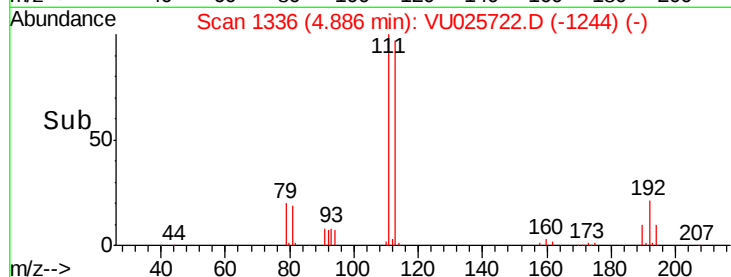
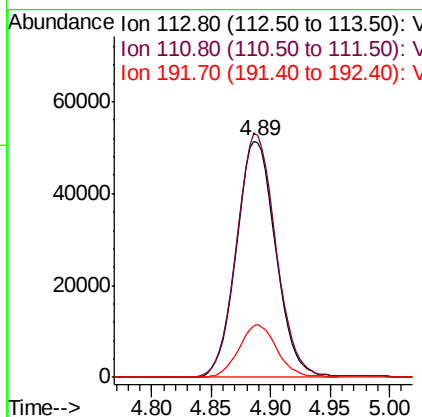
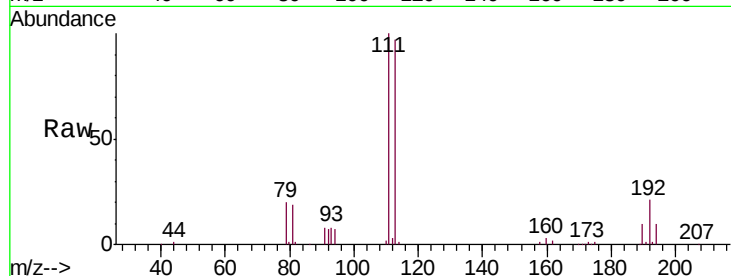




#35
 Dibromofluoromethane
 Concen: 47.55 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025722.D
 Acq: 30 Jul 2018 15:04

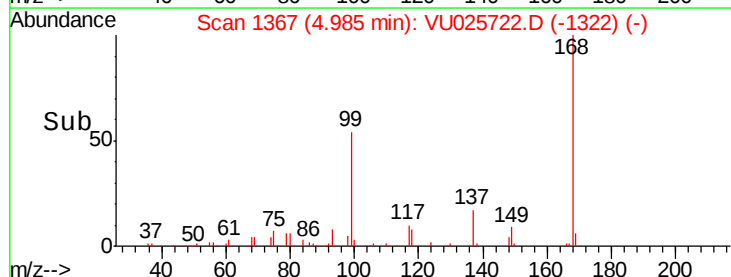
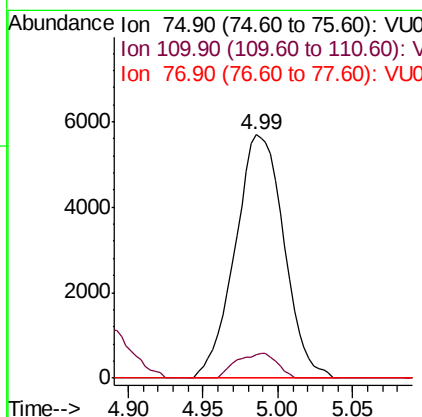
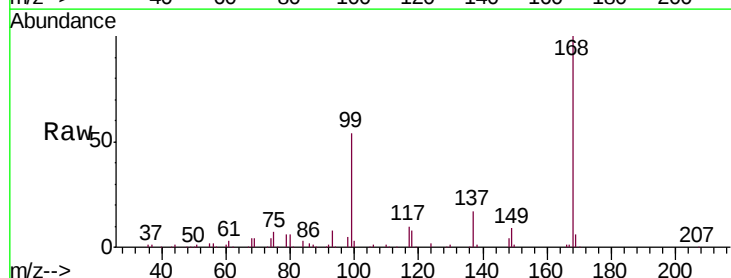
Instrument :
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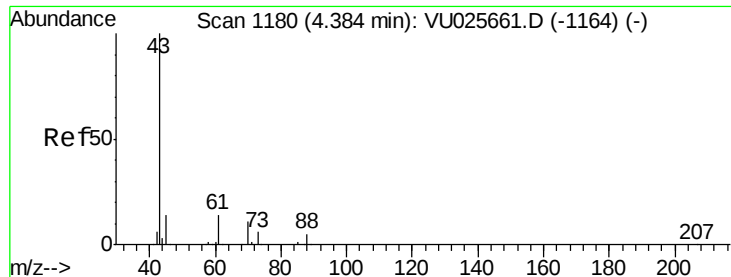
Tot Ion:113 Resp: 117634
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.7 122.5
 192 21.7 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 3.88 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.15 min
 Lab File: VU025722.D
 Acq: 30 Jul 2018 15:04

Tgt Ion: 75 Resp: 12910
 Ion Ratio Lower Upper
 75 100
 110 8.4 17.6 52.9#
 77 0.0 24.4 36.6#

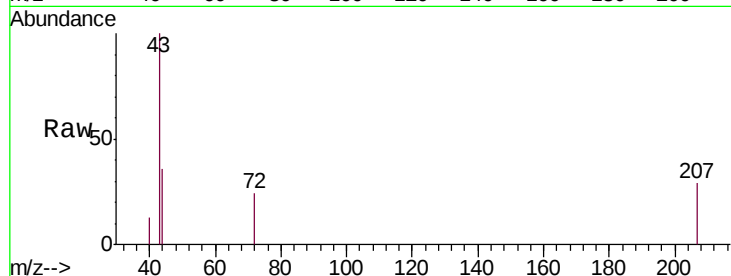




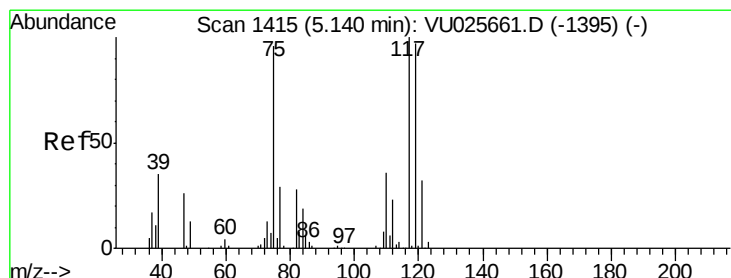
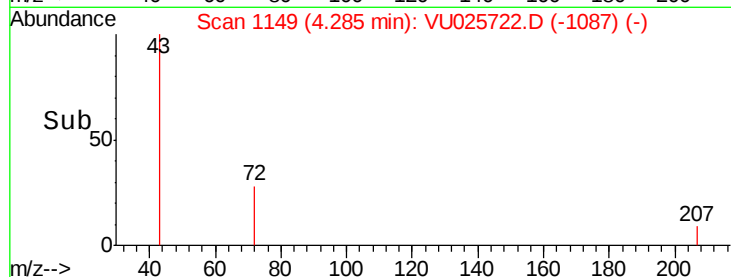
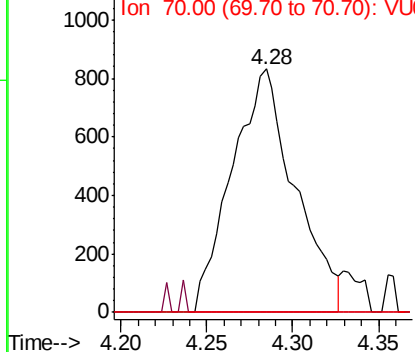
#37
Ethyl Acetate
Concen: 0.62 ug/l
RT: 4.28 min Scan# 1149
Delta R.T. -0.10 min
Lab File: VU025722.D
Acq: 30 Jul 2018 15:04

Instrument :
MSVOA_U
ClientSampleId :
HA-BASELINEWATER-N48971

Tot Ion: 43 Resp: 2124
Ion Ratio Lower Upper
43 100
61 0.0 10.7 16.1#
70 0.0 8.4 12.6#

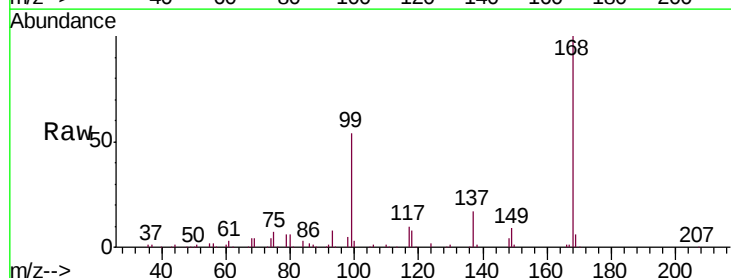


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

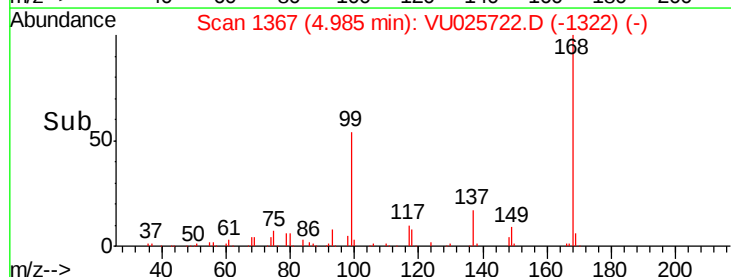
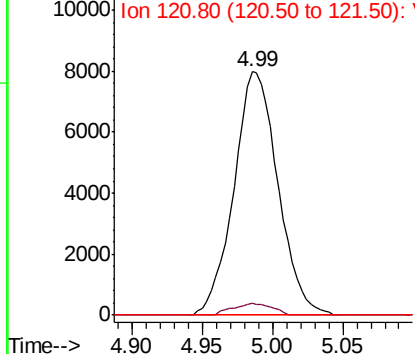


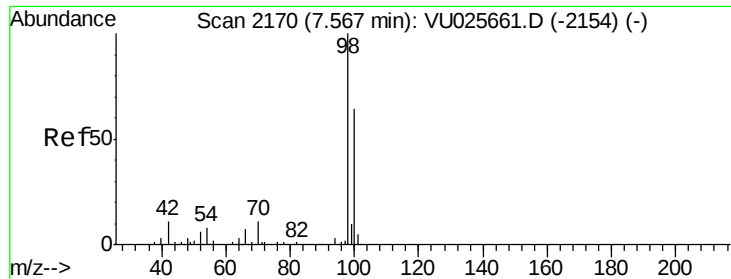
#38
Carbon Tetrachloride
Concen: 4.63 ug/l
RT: 4.99 min Scan# 1367
Delta R.T. -0.15 min
Lab File: VU025722.D
Acq: 30 Jul 2018 15:04

Tgt Ion: 117 Resp: 17436
Ion Ratio Lower Upper
117 100
119 4.7 75.7 113.5#
121 0.0 24.6 36.8#



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

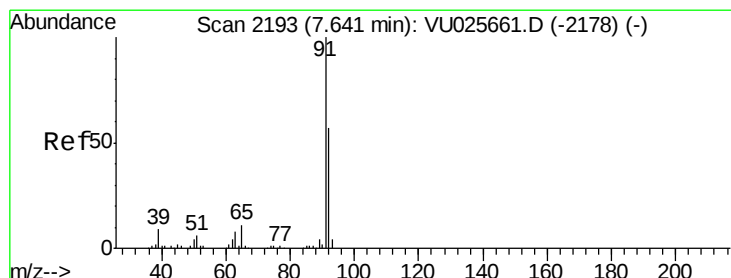
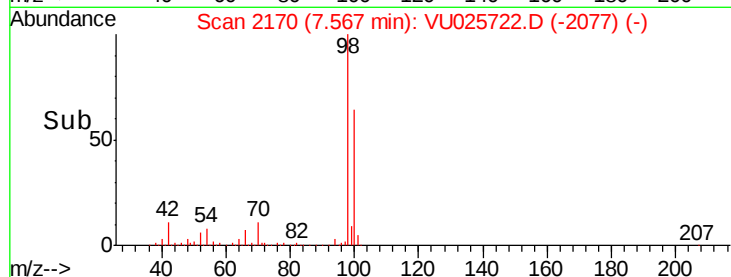
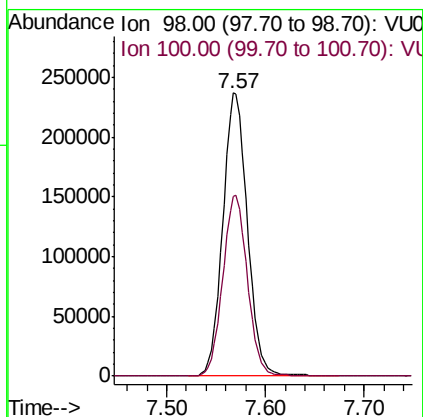
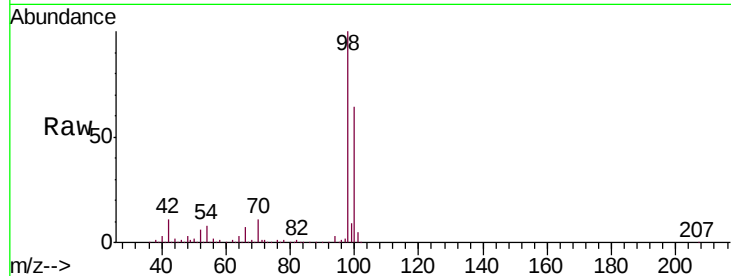




#50
Toluene-d8
Concen: 48.05 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025722.D
Acq: 30 Jul 2018 15:04

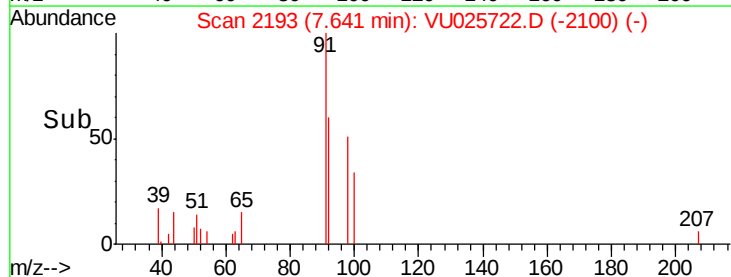
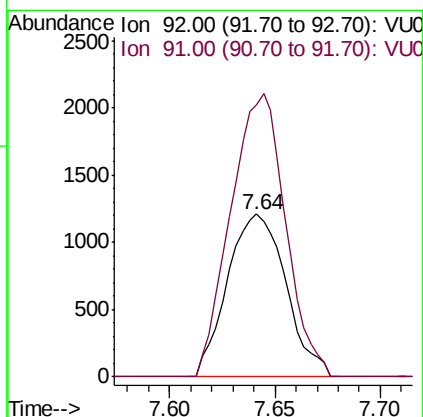
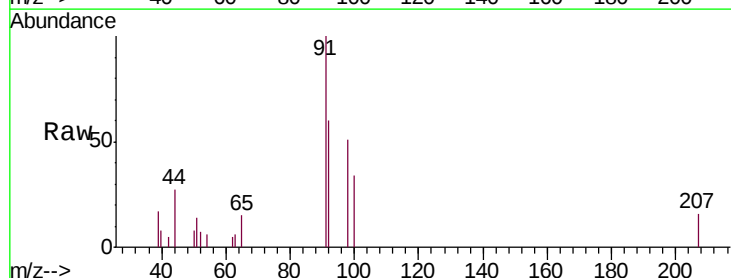
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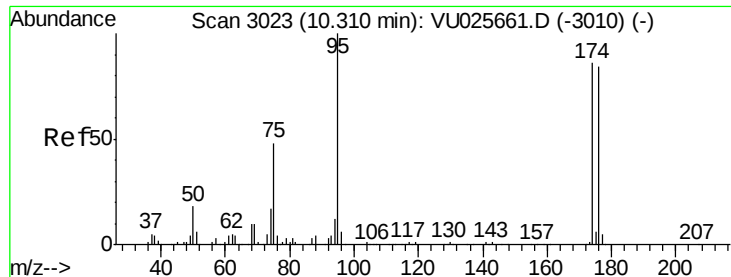
Tot Ion: 98 Resp: 415964
Ion Ratio Lower Upper
98 100
100 63.7 51.1 76.7



#52
Toluene
Concen: 0.39 ug/l
RT: 7.64 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU025722.D
Acq: 30 Jul 2018 15:04

Tgt Ion: 92 Resp: 2329
Ion Ratio Lower Upper
92 100
91 163.6 139.2 208.8

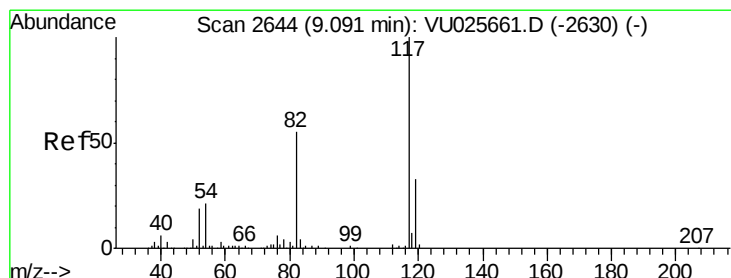
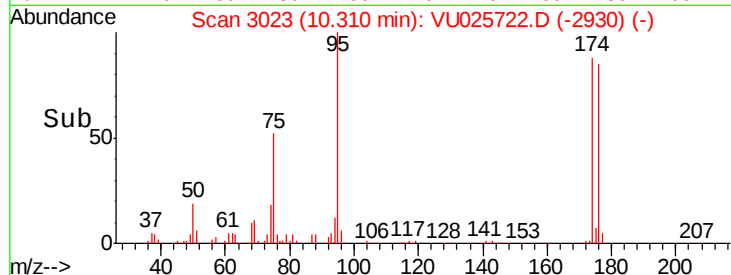
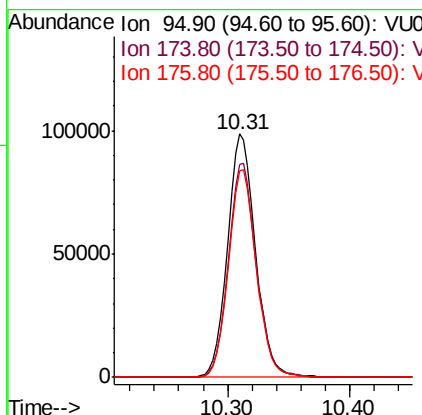
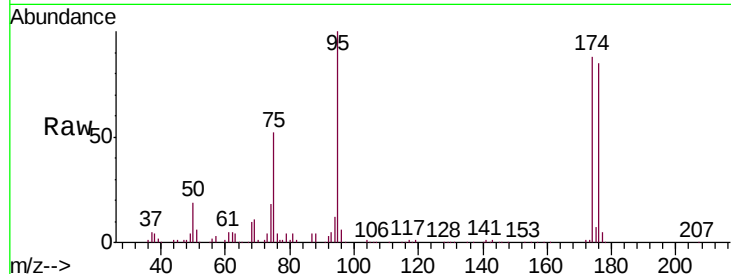




#62
4-Bromofluorobenzene
Concen: 46.98 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025722.D
Acq: 30 Jul 2018 15:04

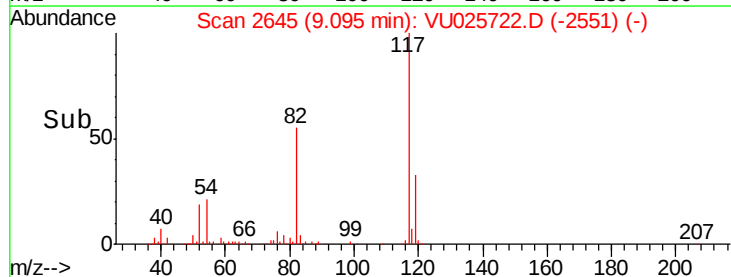
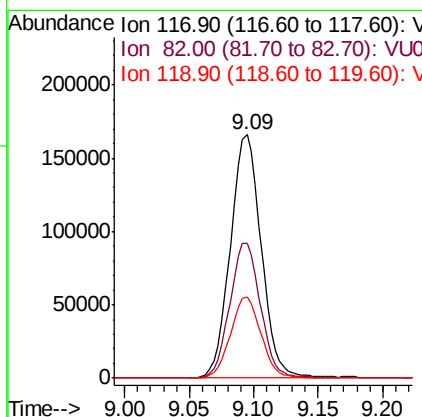
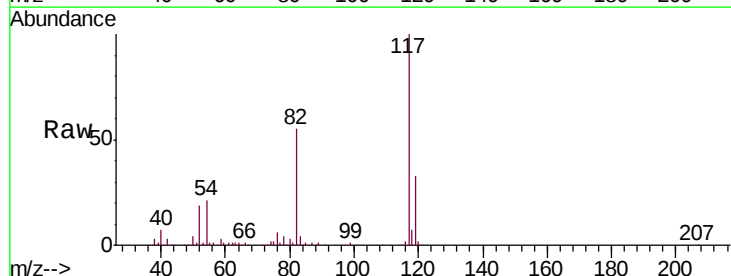
Instrument :
MSVOA_U
ClientSampleId :
HA-BASELINEWATER-N48971

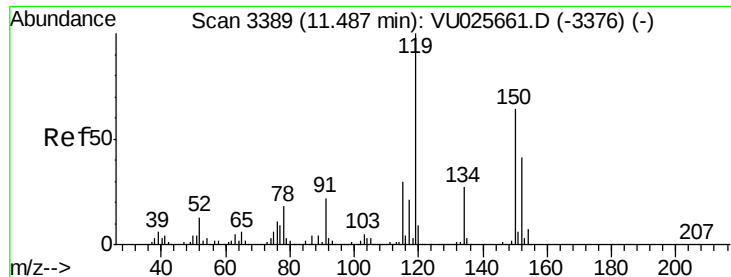
Tot Ion: 95 Resp: 157878
Ion Ratio Lower Upper
95 100
174 88.5 0.0 172.2
176 85.4 0.0 162.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025722.D
Acq: 30 Jul 2018 15:04

Tgt Ion: 117 Resp: 276996
Ion Ratio Lower Upper
117 100
82 55.3 46.0 69.0
119 33.3 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025722.D

Acq: 30 Jul 2018 15:04

Instrument :

MSVOA_U

ClientSampleId :

HA-BASELINEWATER-N48971

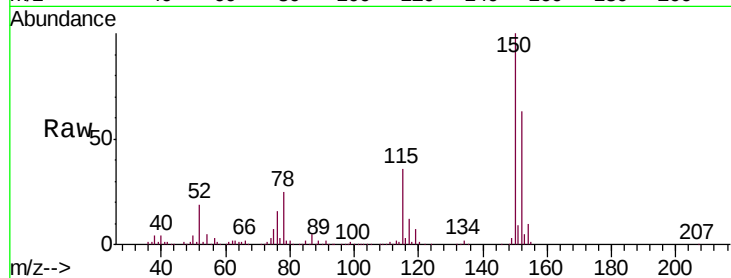
Tot Ion:152 Resp: 164274

Ion Ratio Lower Upper

152 100

115 57.8 40.1 120.3

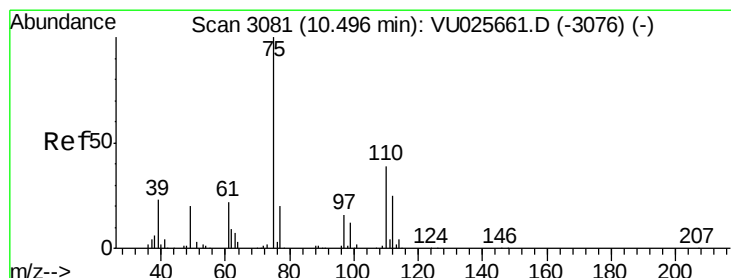
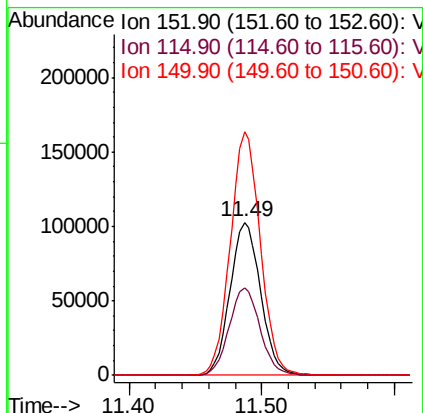
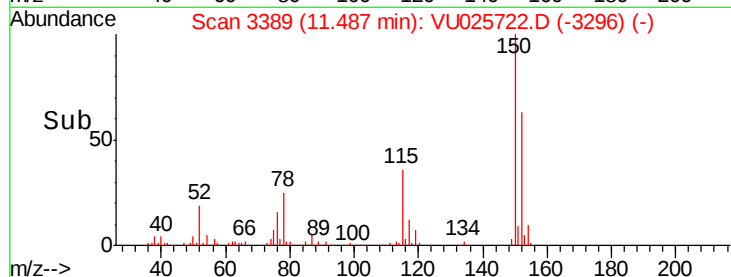
150 156.6 0.0 351.4



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: 23.12 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025722.D

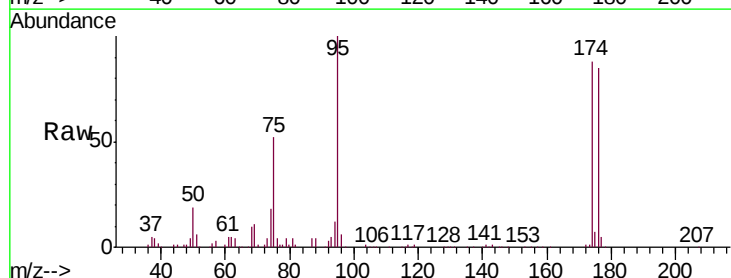
Acq: 30 Jul 2018 15:04

Tgt Ion: 75 Resp: 81998

Ion Ratio Lower Upper

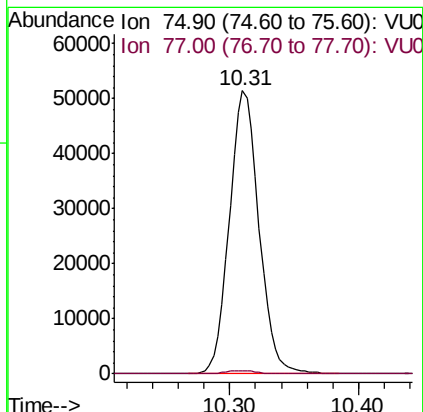
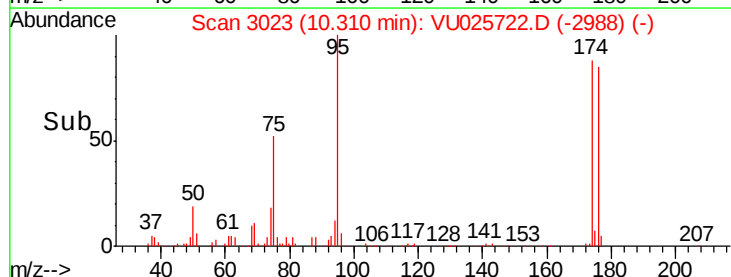
75 100

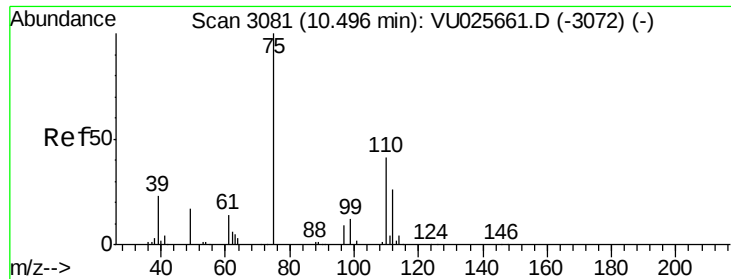
77 1.2 20.4 61.3#



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: 62.66 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025722.D

Acq: 30 Jul 2018 15:04

Instrument :

MSVOA_U

ClientSampleId :

HA-BASELINEWATER-N48971

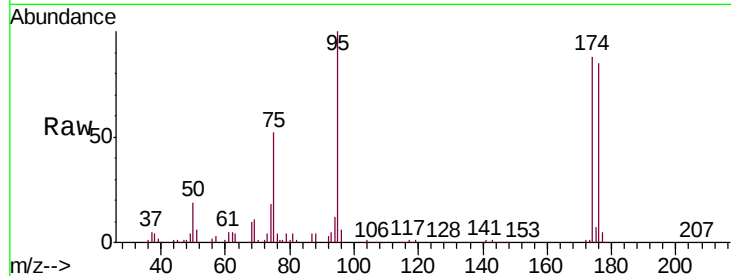
Tot Ion: 75 Resp: 81998

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

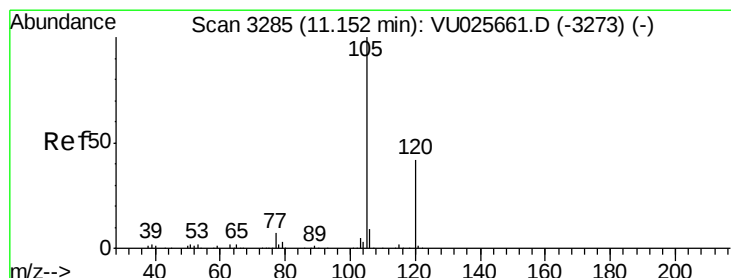
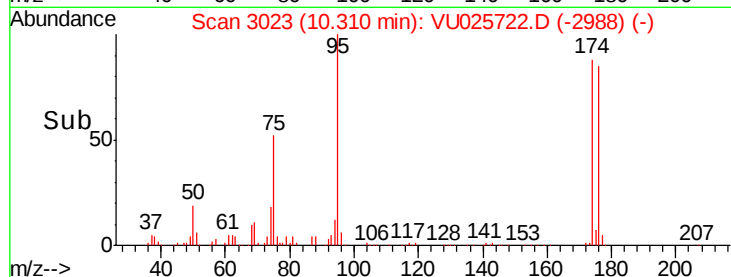
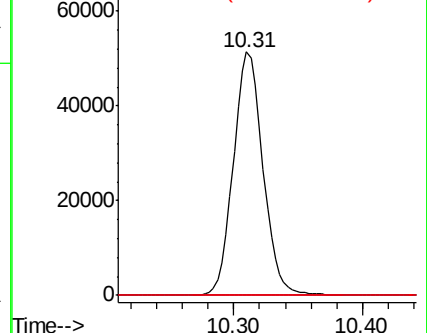
89 0.0 0.0 0.0



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



#84

1,2,4-Trimethylbenzene

Concen: 0.37 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025722.D

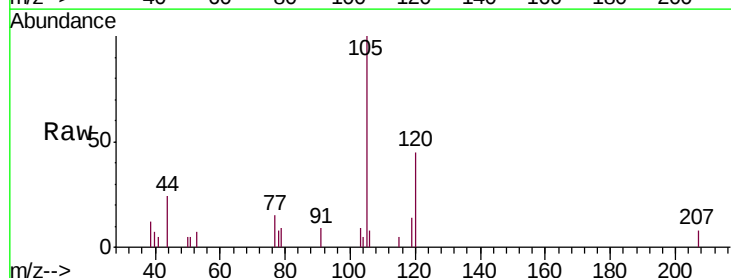
Acq: 30 Jul 2018 15:04

Tgt Ion: 105 Resp: 3594

Ion Ratio Lower Upper

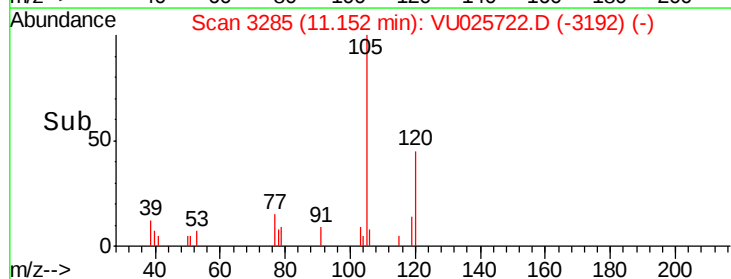
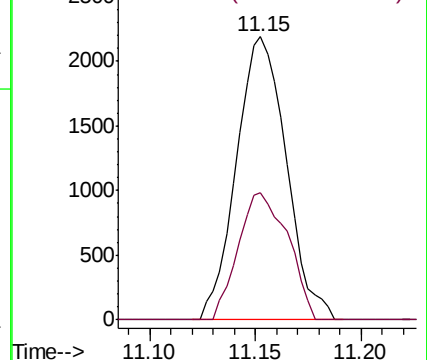
105 100

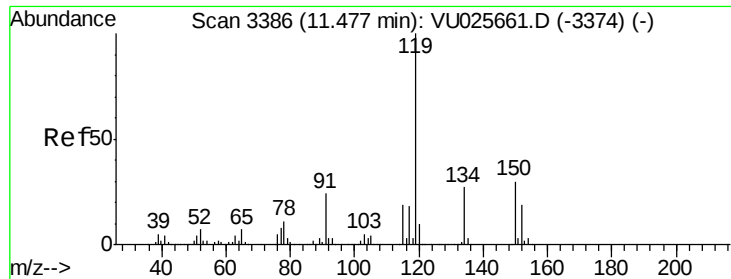
120 44.6 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

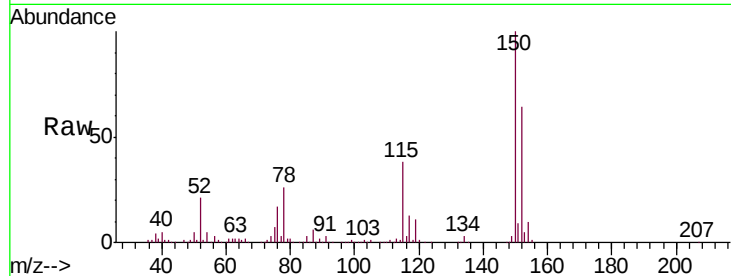




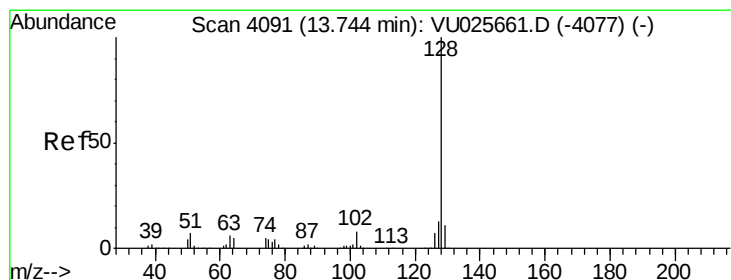
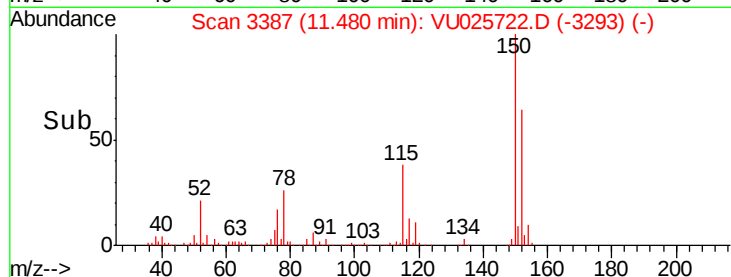
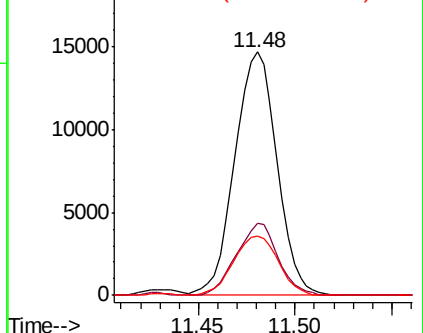
#86
p-Isopropyltoluene
Concen: 2.16 ug/l
RT: 11.48 min Scan# 3387
Delta R.T. 0.00 min
Lab File: VU025722.D
Acq: 30 Jul 2018 15:04

Instrument :
MSVOA_U
ClientSampleId :
HA-BASELINEWATER-N48971

Tot Ion	Ratio	Lower	Upper
119	100		
134	29.2	13.2	39.5
91	25.9	12.0	36.1

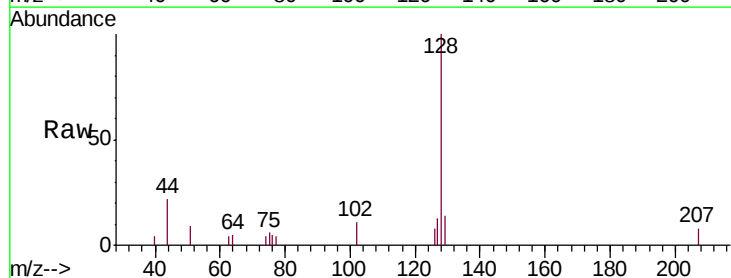


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V



#95
Naphthalene
Concen: 1.76 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025722.D
Acq: 30 Jul 2018 15:04

Tgt Ion	Ratio	Lower	Upper
128	100		
127	10.2	10.5	15.7#
129	11.4	8.3	12.5



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

