

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092218\
 Data File : VU026988.D
 Acq On : 21 Sep 2018 23:35
 Operator : MD/SY
 Sample : J4916-15
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FC-MW09S-20180911

Quant Time: Sep 22 02:24:41 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	75354	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	152208	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	152144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	72125	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	89484	59.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.00%	
35) Dibromofluoromethane	4.88	113	68282	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
50) Toluene-d8	7.57	98	244845	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
62) 4-Bromofluorobenzene	10.31	95	81176	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	

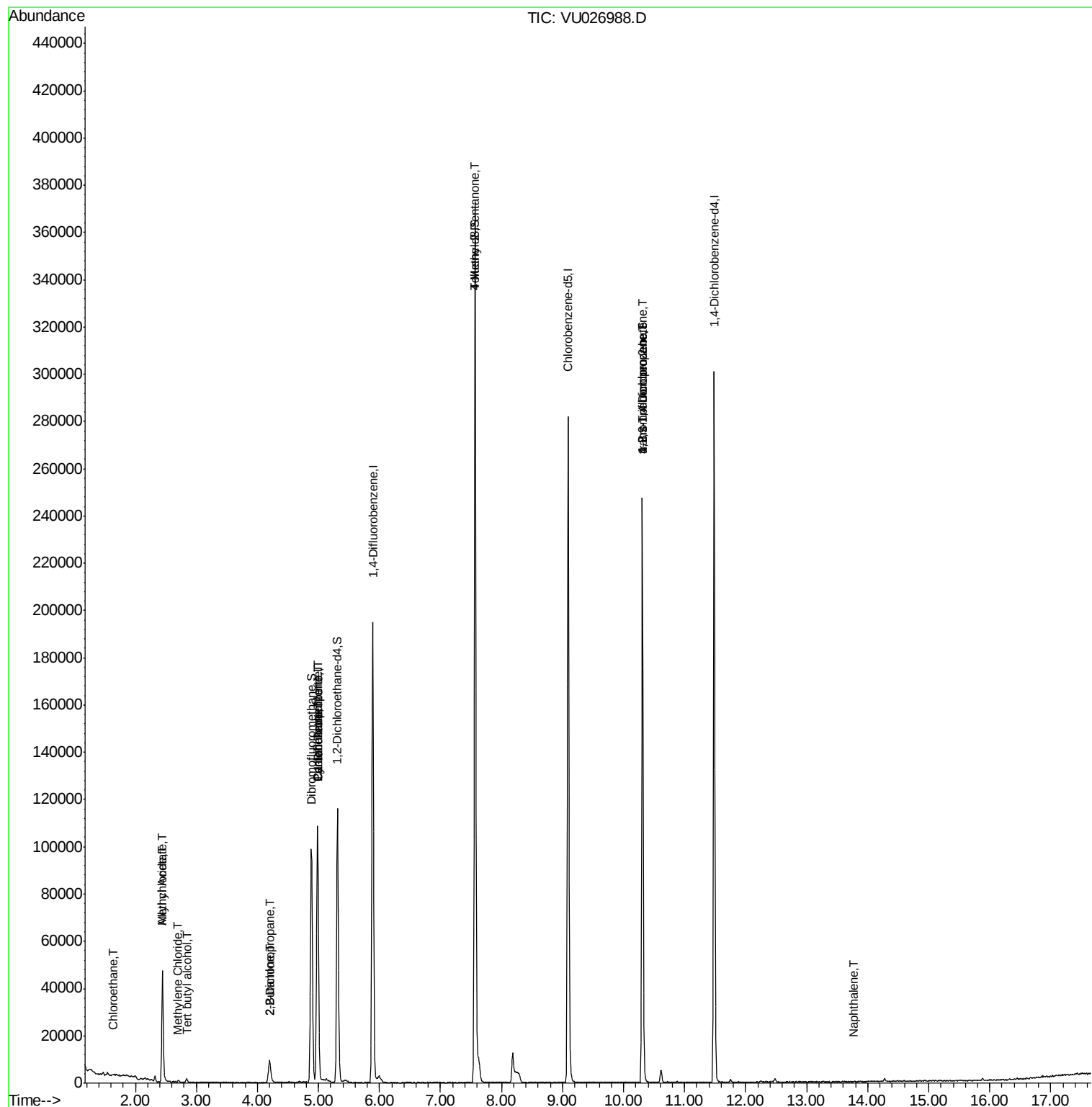
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.64	64	256	0.253	ug/l #	43
11) Tert butyl alcohol	2.84	59	1090	3.136	ug/l #	72
14) Allyl chloride	2.45	41	4658	2.207	ug/l #	70
16) Acetone	2.32	43	2551	Below Cal		96
18) Methyl Acetate	2.44	43	11986	5.553	ug/l #	55
20) Methylene Chloride	2.70	84	346	0.255	ug/l #	50
25) 2-Butanone	4.20	43	315	0.247	ug/l #	53
26) 2,2-Dichloropropane	4.21	77	570	0.294	ug/l #	55
31) Cyclohexane	4.98	56	2007	0.316	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	7372	3.629	ug/l #	49
38) Carbon Tetrachloride	4.98	117	7912	4.093	ug/l #	19
51) 4-Methyl-2-Pentanone	7.57	43	1162	0.431	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	43636	19.915	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	43636	63.731	ug/l #	100
95) Naphthalene	13.77	128	41	1.696	ug/l #	69

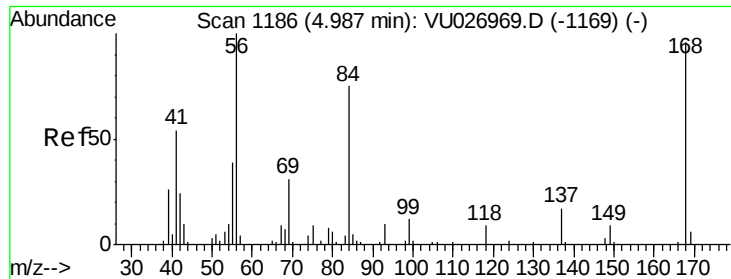
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU026988.D

Acq: 21 Sep 2018 23:35

Instrument :

MSVOA_U

ClientSampleId :

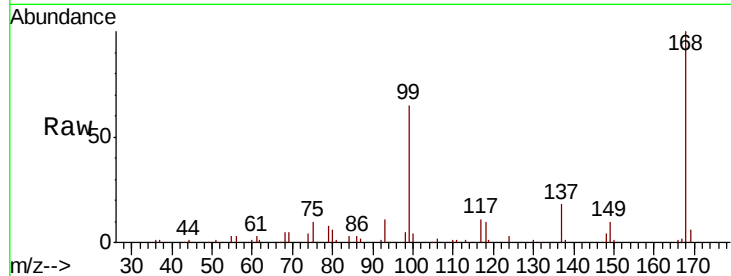
FC-MW09S-20180911

Tgt Ion:168 Resp: 75354

Ion Ratio Lower Upper

168 100

99 65.0 48.1 72.1



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

Ion 98.90 (98.60 to 99.60): VU026969.D

4.99

30000

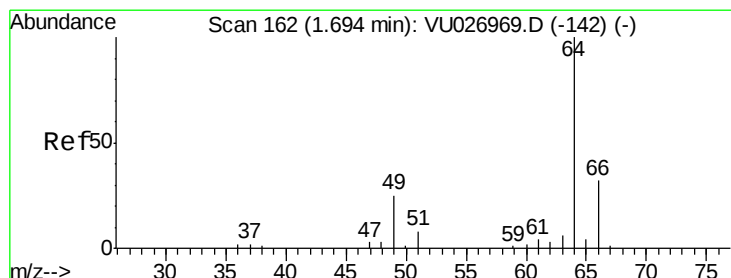
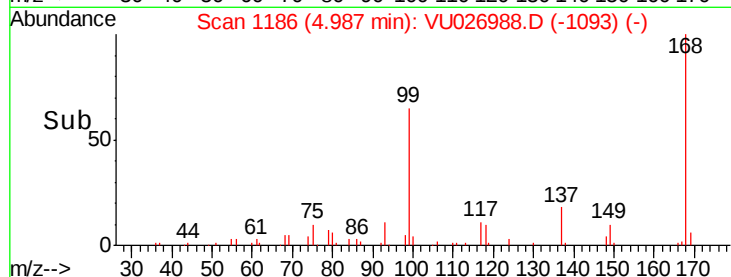
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#6

Chloroethane

Concen: 0.253 ug/l

RT: 1.64 min Scan# 144

Delta R.T. -0.06 min

Lab File: VU026988.D

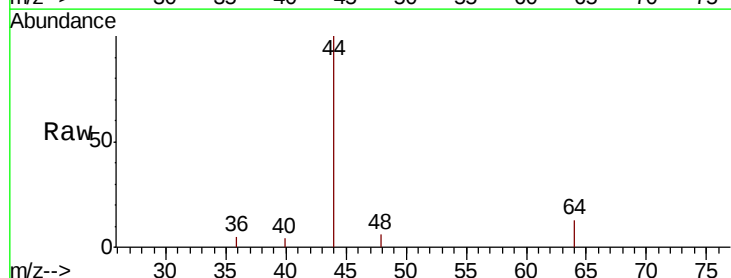
Acq: 21 Sep 2018 23:35

Tgt Ion: 64 Resp: 256

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



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

Ion 65.90 (65.60 to 66.60): VU026969.D

1.64

400

300

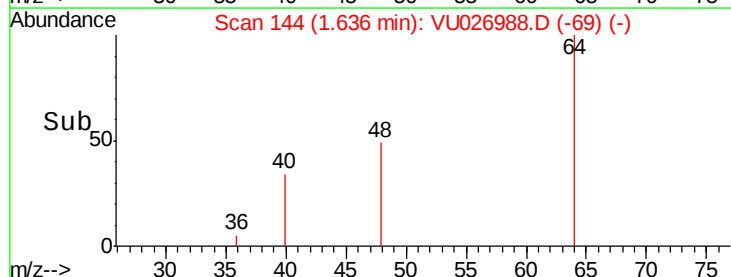
200

100

0

1.60 1.62 1.64

Time-->



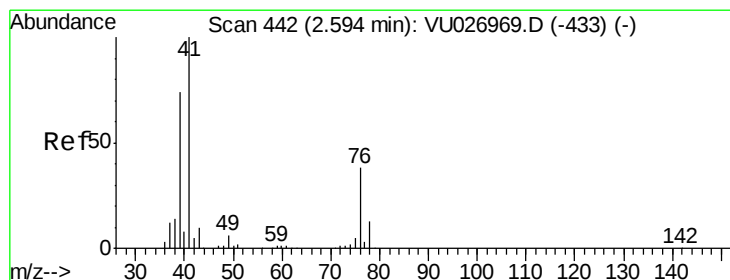
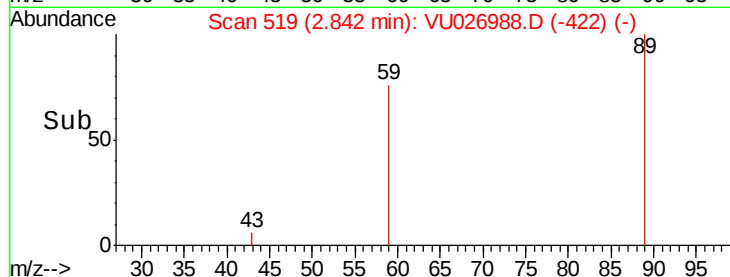
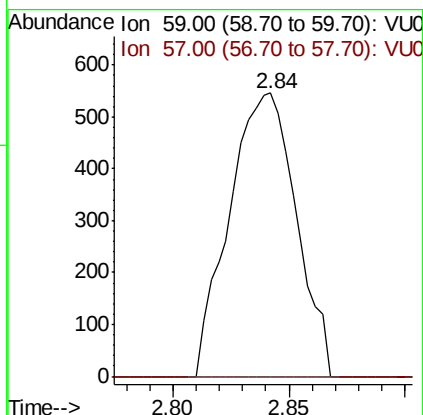
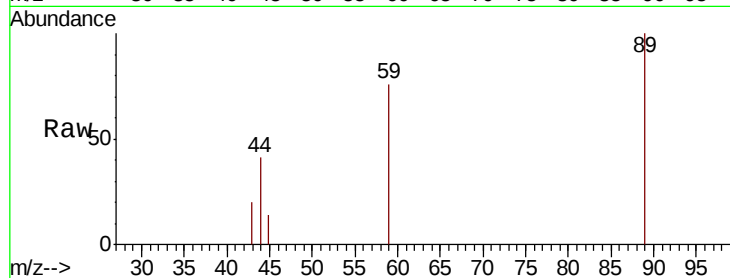


#11

Tert butyl alcohol
 Concen: 3.136 ug/l
 RT: 2.84 min Scan# 519
 Delta R.T. 0.01 min
 Lab File: VU026988.D
 Acq: 21 Sep 2018 23:35

Instrument :
 MSVOA_U
 ClientSampleId :
 FC-MW09S-20180911

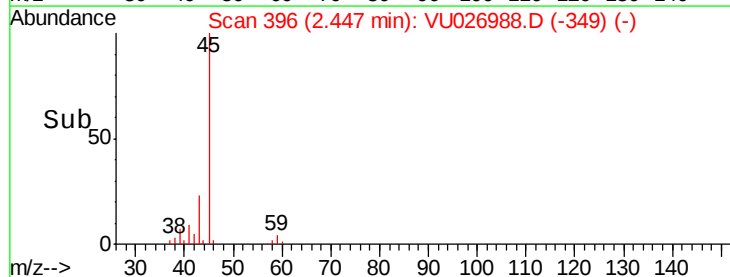
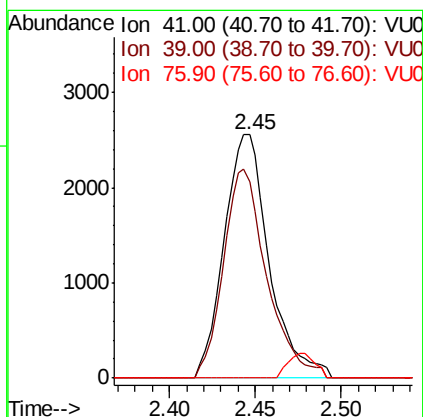
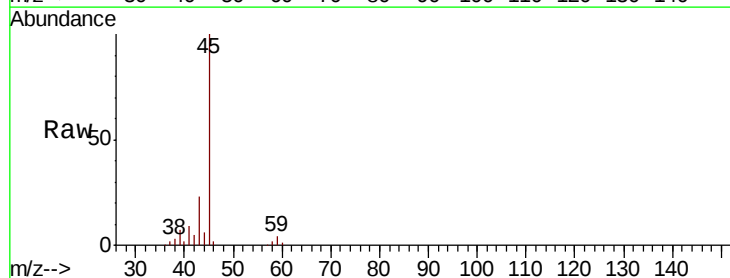
Tgt Ion: 59 Resp: 1090
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

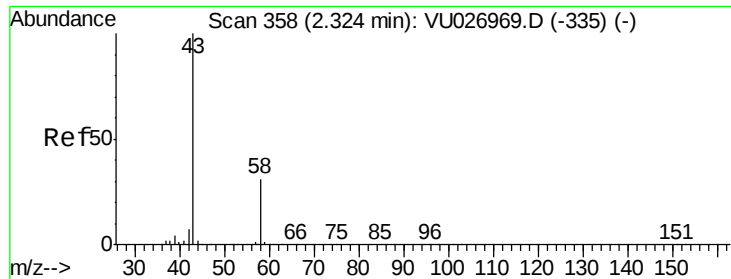


#14

Allyl chloride
 Concen: 2.207 ug/l
 RT: 2.45 min Scan# 396
 Delta R.T. -0.15 min
 Lab File: VU026988.D
 Acq: 21 Sep 2018 23:35

Tgt Ion: 41 Resp: 4658
 Ion Ratio Lower Upper
 41 100
 39 82.5 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: VU026988.D

Acq: 21 Sep 2018 23:35

Instrument :

MSVOA_U

ClientSampleId :

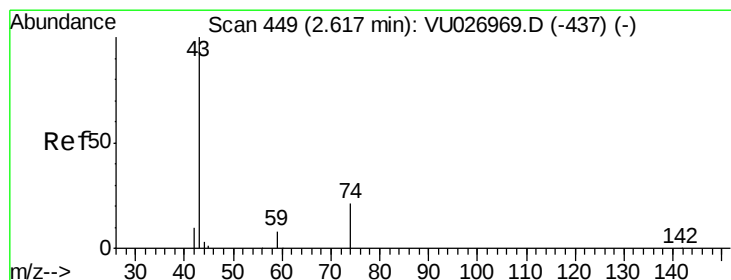
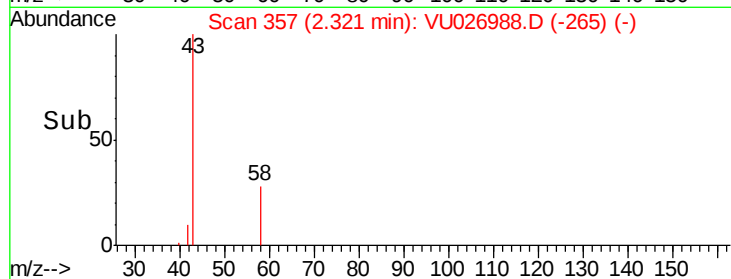
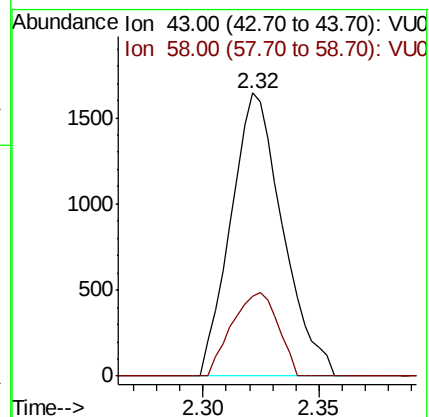
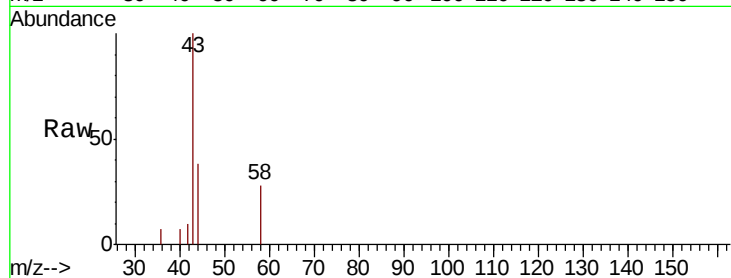
FC-MW09S-20180911

Tgt Ion: 43 Resp: 2551

Ion Ratio Lower Upper

43 100

58 28.4 24.6 36.8



#18

Methyl Acetate

Concen: 5.553 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.17 min

Lab File: VU026988.D

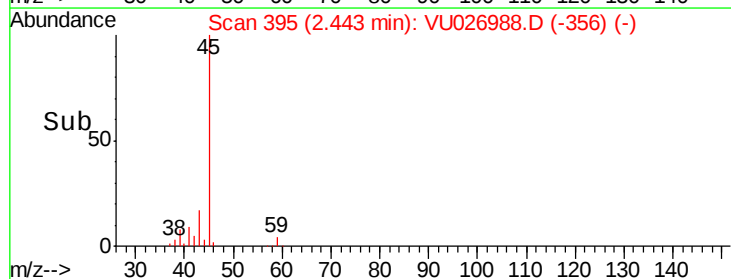
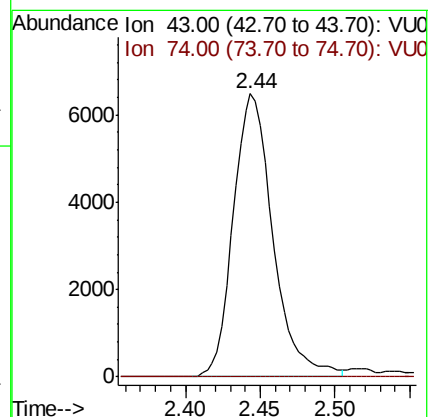
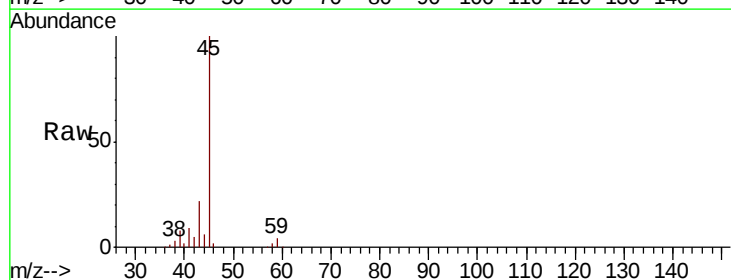
Acq: 21 Sep 2018 23:35

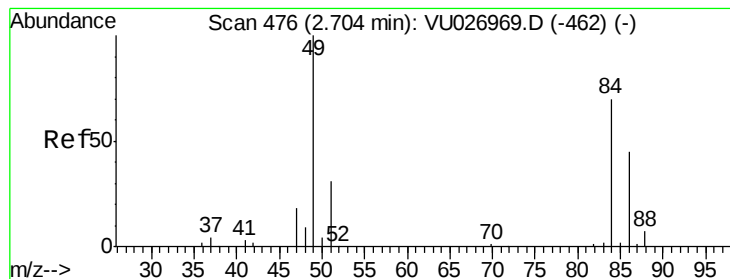
Tgt Ion: 43 Resp: 11986

Ion Ratio Lower Upper

43 100

74 0.0 16.6 25.0#





#20

Methylene Chloride

Concen: 0.255 ug/l

RT: 2.70 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU026988.D

Acq: 21 Sep 2018 23:35

Instrument :

MSVOA_U

ClientSampleId :

FC-MW09S-20180911

Tgt Ion: 84 Resp: 346

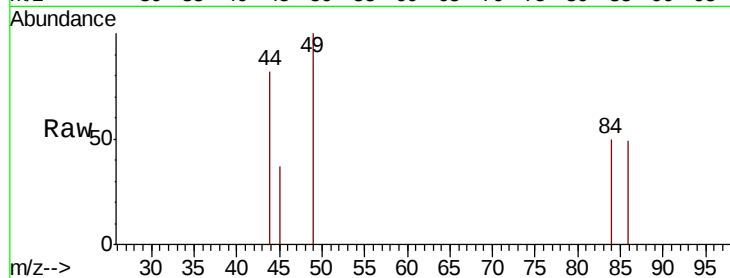
Ion Ratio Lower Upper

84 100

49 201.0 114.9 172.3#

51 0.0 35.8 53.8#

86 99.0 51.3 76.9#

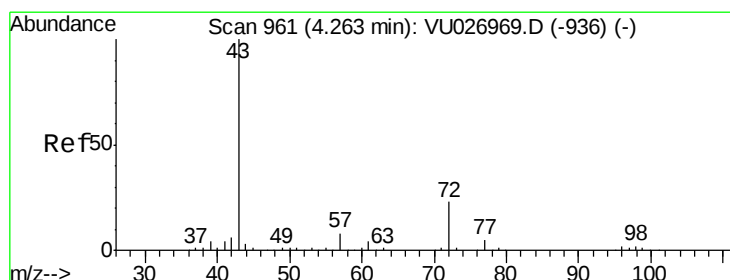
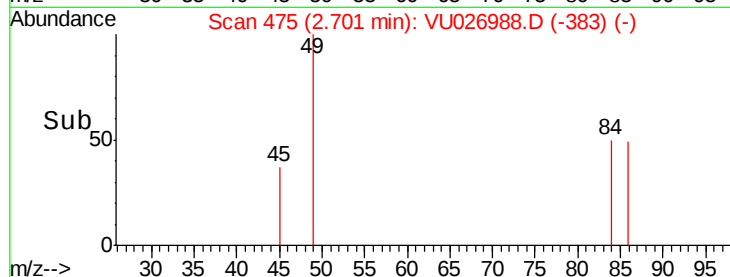
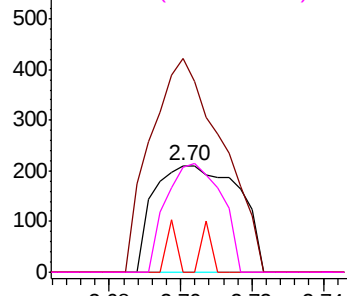


Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0



#25

2-Butanone

Concen: 0.247 ug/l

RT: 4.20 min Scan# 941

Delta R.T. -0.06 min

Lab File: VU026988.D

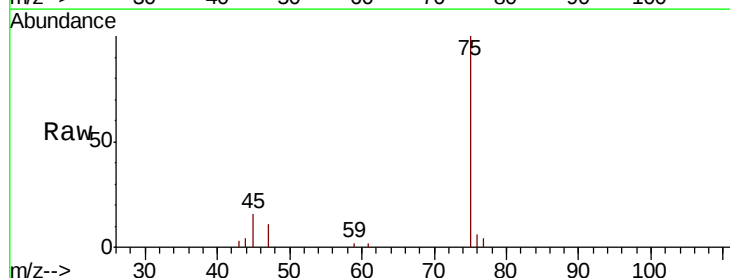
Acq: 21 Sep 2018 23:35

Tgt Ion: 43 Resp: 315

Ion Ratio Lower Upper

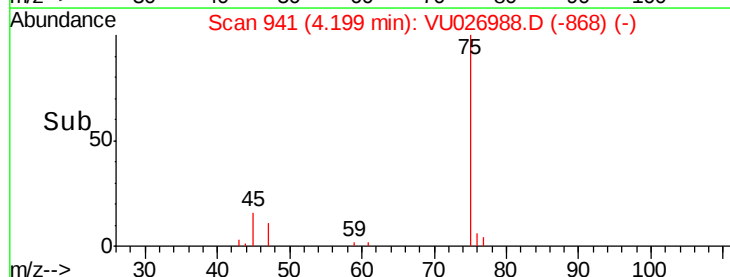
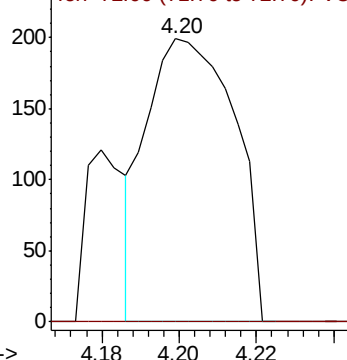
43 100

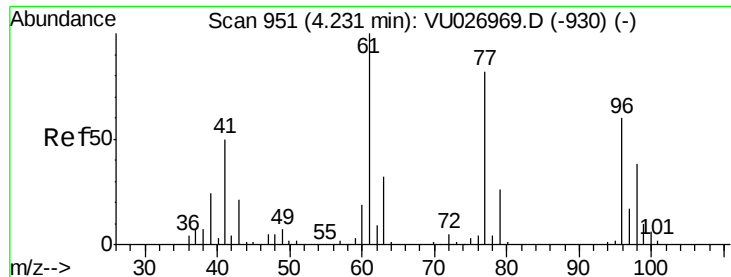
72 0.0 18.4 27.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

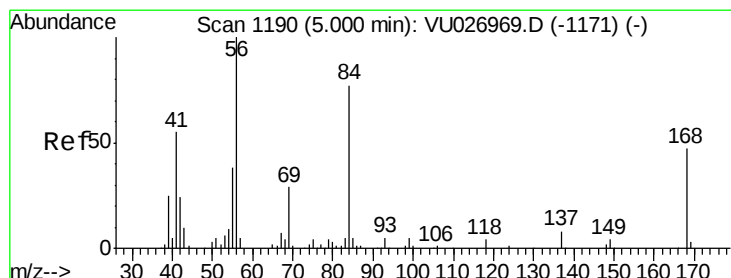
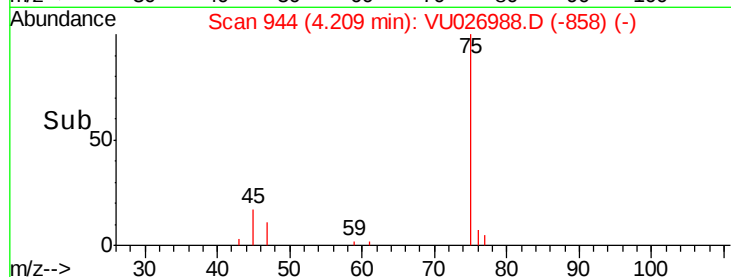
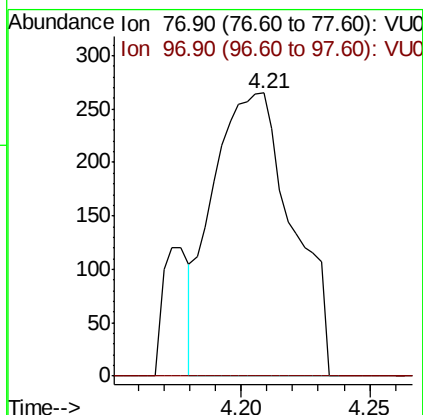
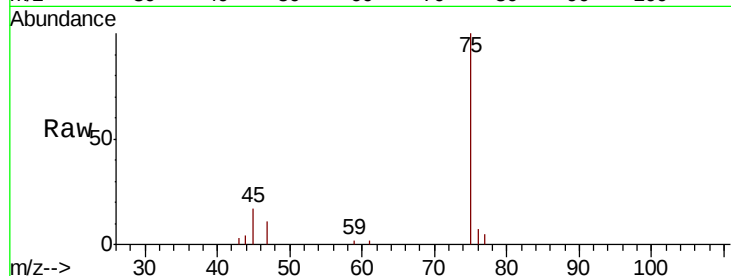




#26
 2,2-Dichloropropane
 Concen: 0.294 ug/l
 RT: 4.21 min Scan# 944
 Delta R.T. -0.02 min
 Lab File: VU026988.D
 Acq: 21 Sep 2018 23:35

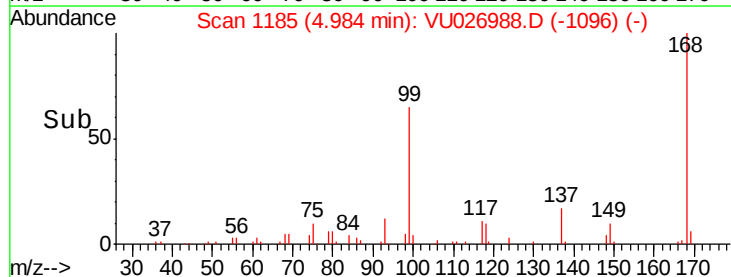
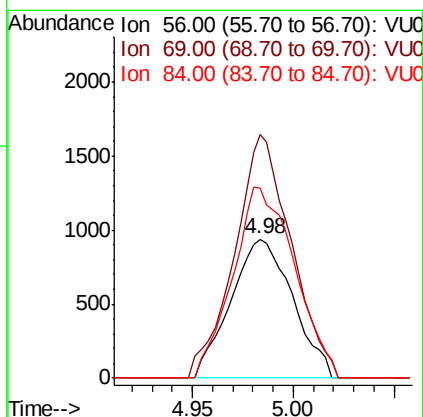
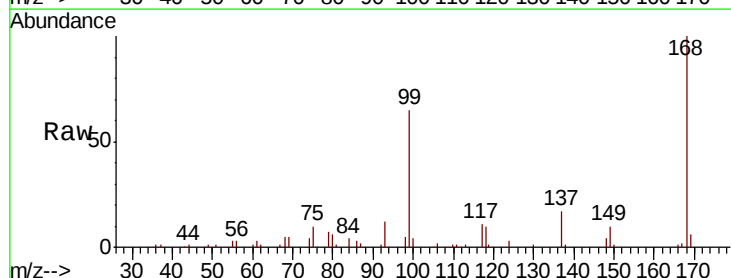
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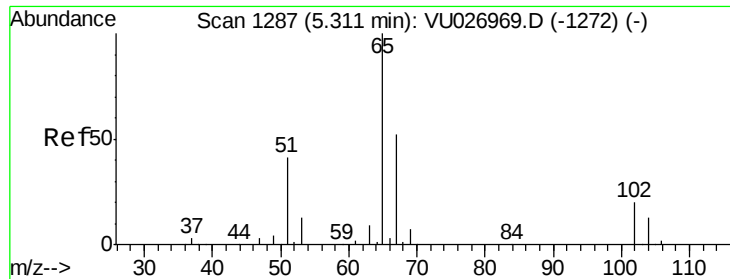
Tgt Ion: 77 Resp: 570
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.5 31.5#



#31
 Cyclohexane
 Concen: 0.316 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: VU026988.D
 Acq: 21 Sep 2018 23:35

Tgt Ion: 56 Resp: 2007
 Ion Ratio Lower Upper
 56 100
 69 174.9 23.0 34.4#
 84 136.3 61.4 92.2#

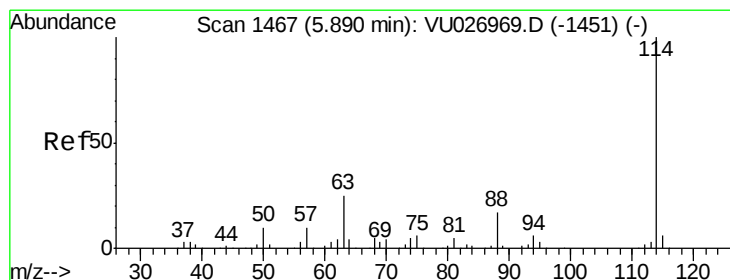
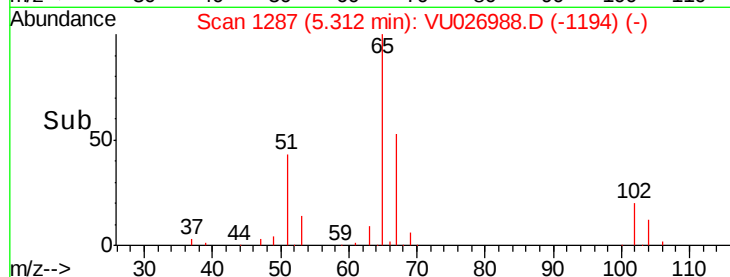
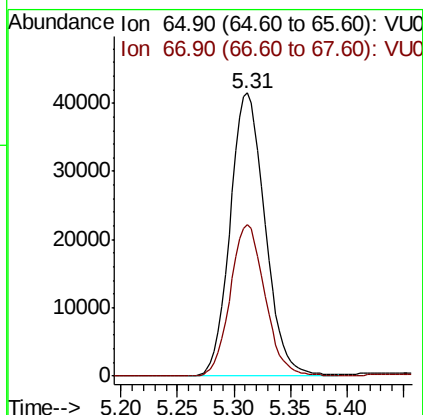
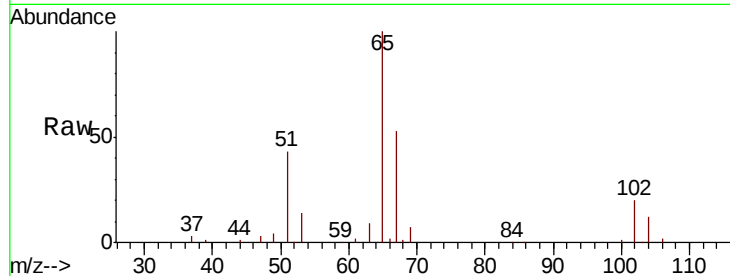




#33
 1,2-Dichloroethane-d4
 Concen: 59.002 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU026988.D
 Acq: 21 Sep 2018 23:35

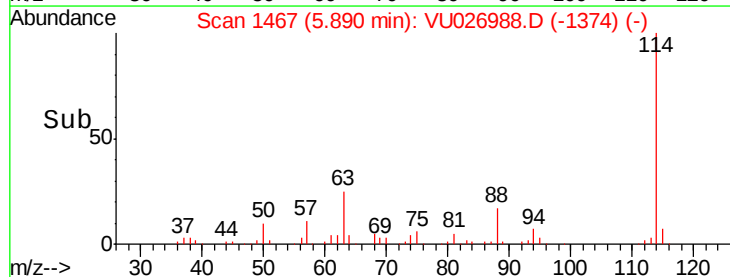
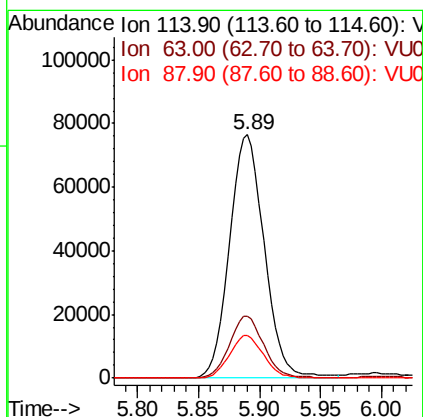
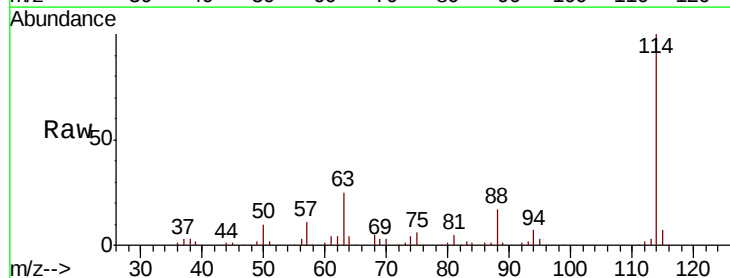
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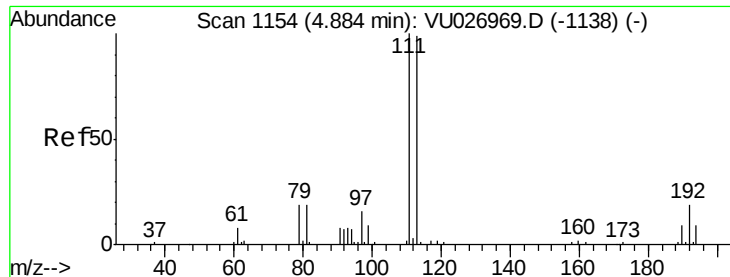
Tgt Ion: 65 Resp: 89484
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU026988.D
 Acq: 21 Sep 2018 23:35

Tgt Ion: 114 Resp: 152208
 Ion Ratio Lower Upper
 114 100
 63 25.5 0.0 49.2
 88 17.4 0.0 33.8

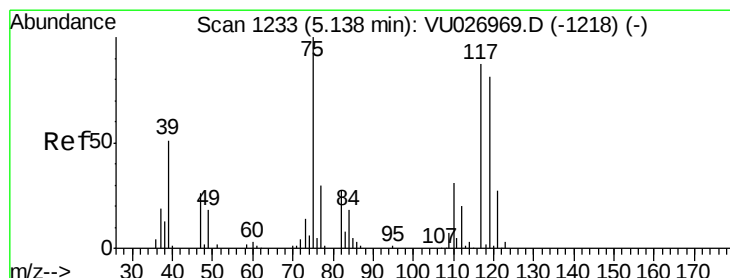
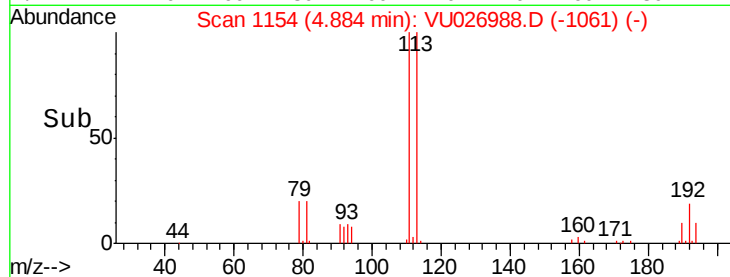
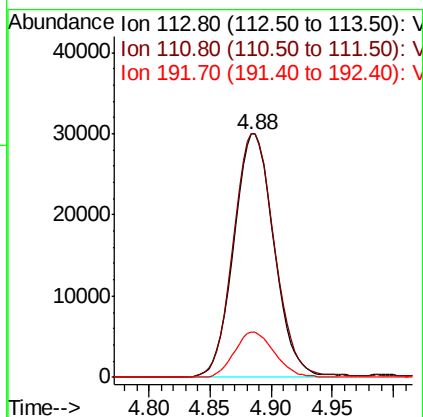
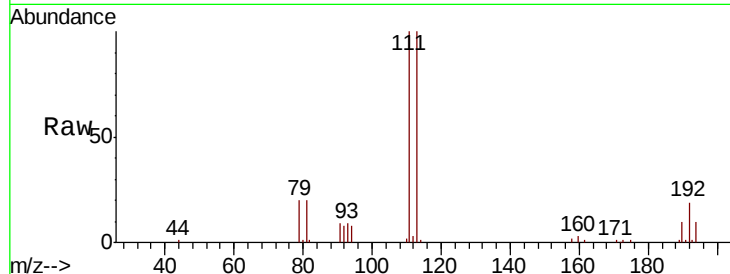




#35
 Dibromofluoromethane
 Concen: 51.755 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU026988.D
 Acq: 21 Sep 2018 23:35

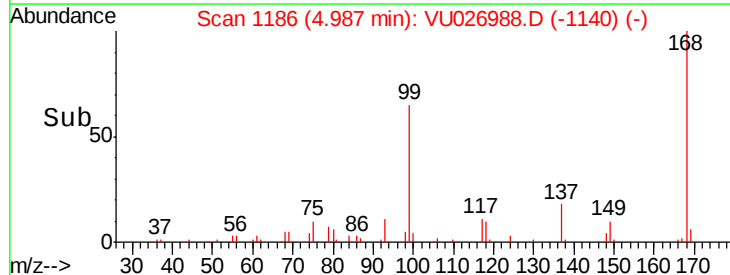
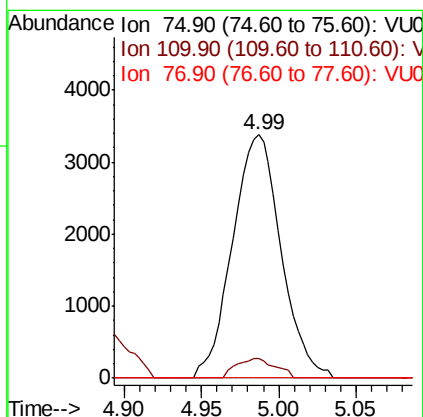
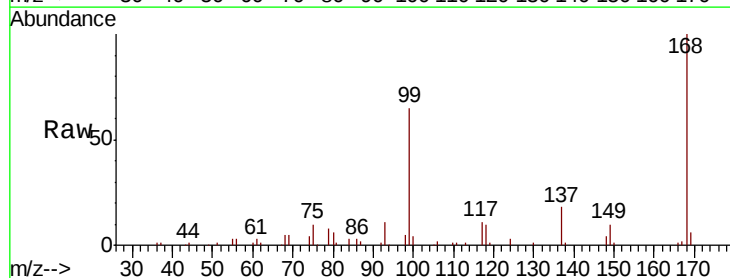
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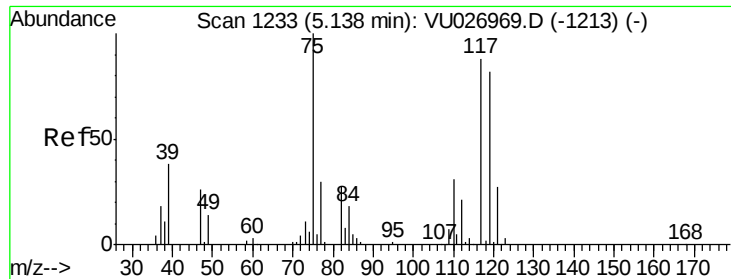
Tgt Ion:113 Resp: 68282
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.2 123.4
 192 18.6 15.2 22.8



#36
 1,1-Dichloropropene
 Concen: 3.629 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU026988.D
 Acq: 21 Sep 2018 23:35

Tgt Ion: 75 Resp: 7372
 Ion Ratio Lower Upper
 75 100
 110 6.4 16.1 48.2#
 77 0.0 24.6 36.8#

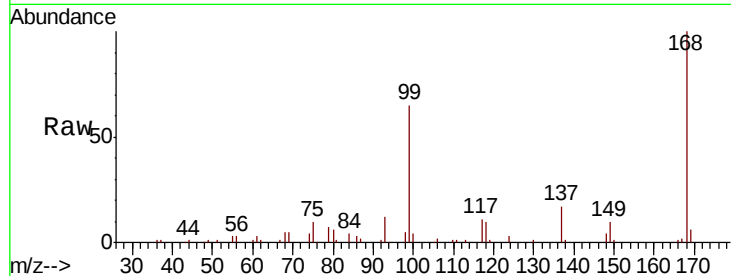




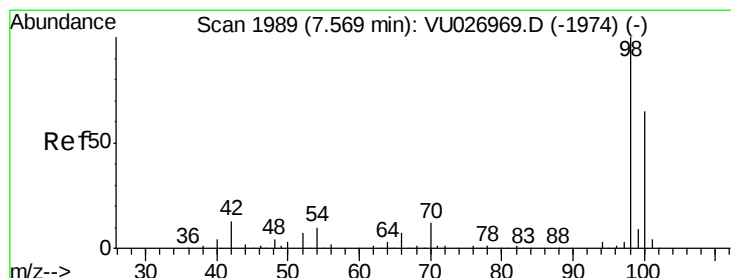
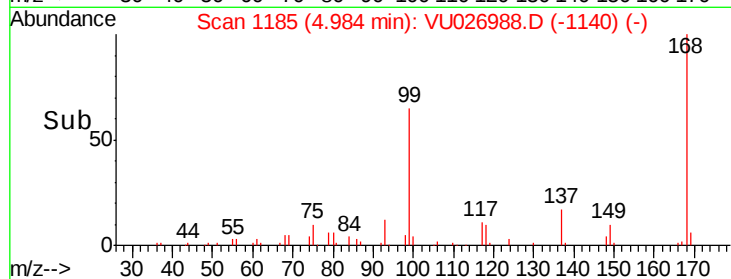
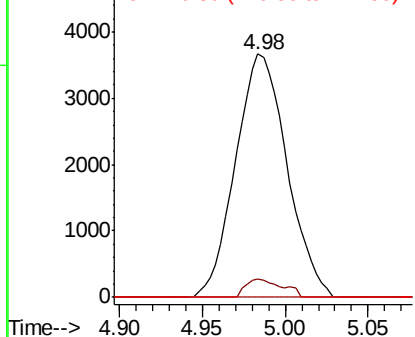
#38
Carbon Tetrachloride
Concen: 4.093 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.15 min
Lab File: VU026988.D
Acq: 21 Sep 2018 23:35

Instrument :
MSVOA_U
ClientSampleId :
FC-MW09S-20180911

Tgt Ion: 117 Resp: 7912
Ion Ratio Lower Upper
117 100
119 7.8 74.4 111.6#
121 0.0 24.2 36.4#

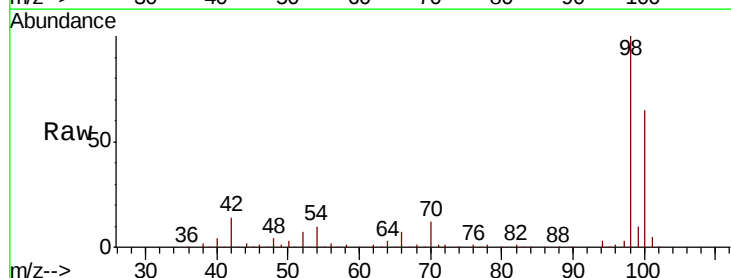


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

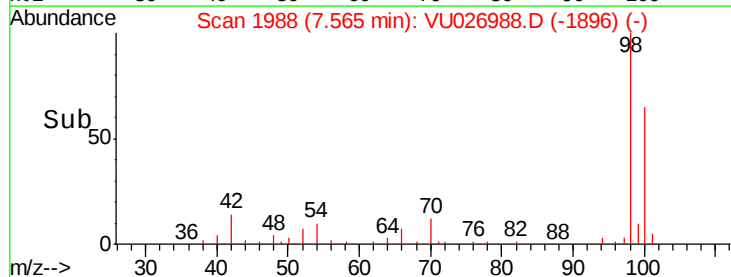
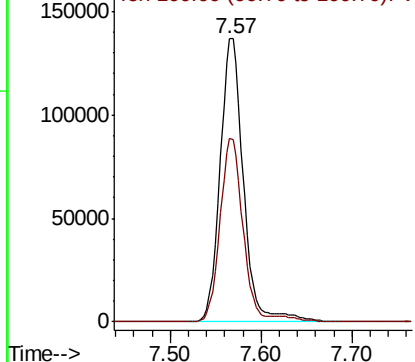


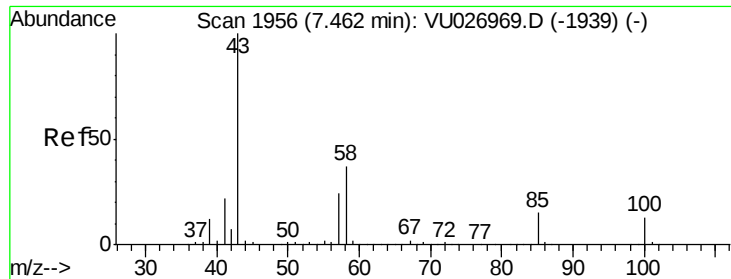
#50
Toluene-d8
Concen: 48.696 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU026988.D
Acq: 21 Sep 2018 23:35

Tgt Ion: 98 Resp: 244845
Ion Ratio Lower Upper
98 100
100 62.1 52.1 78.1



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

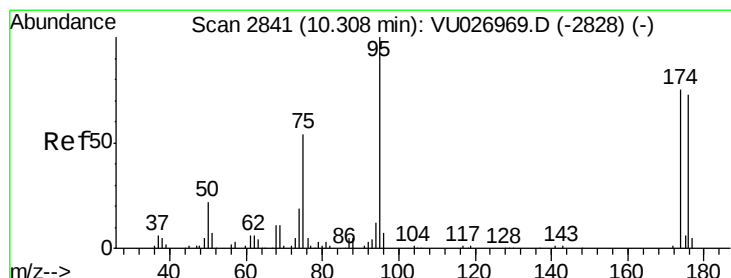
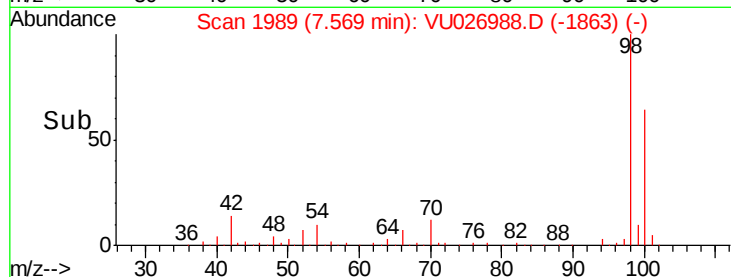
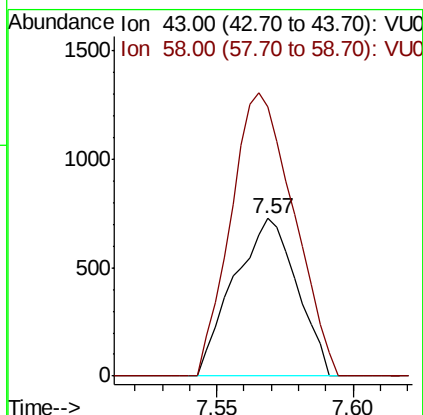
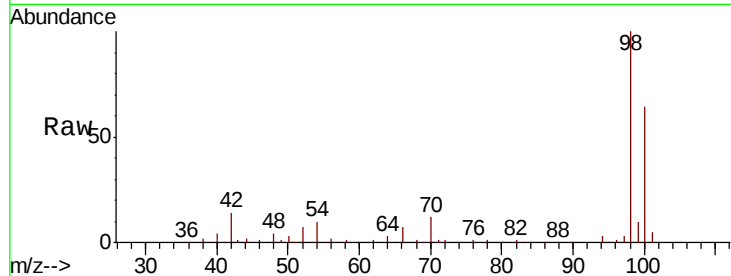




#51
 4-Methyl-2-Pentanone
 Concen: 0.431 ug/l
 RT: 7.57 min Scan# 1989
 Delta R.T. 0.11 min
 Lab File: VU026988.D
 Acq: 21 Sep 2018 23:35

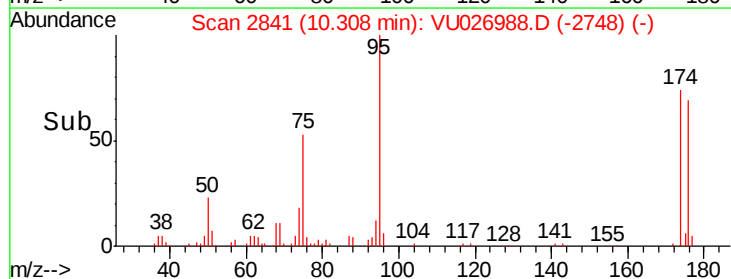
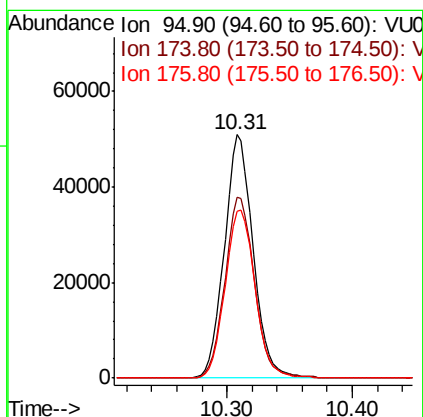
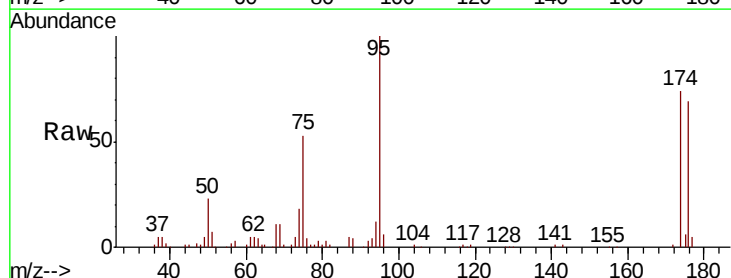
Instrument :
 MSVOA_U
 ClientSampleId :
 FC-MW09S-20180911

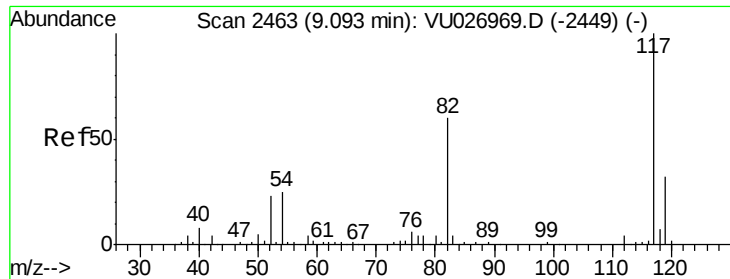
Tgt Ion: 43 Resp: 1162
 Ion Ratio Lower Upper
 43 100
 58 179.4 29.8 44.6#



#62
 4-Bromofluorobenzene
 Concen: 47.051 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU026988.D
 Acq: 21 Sep 2018 23:35

Tgt Ion: 95 Resp: 81176
 Ion Ratio Lower Upper
 95 100
 174 76.2 0.0 150.2
 176 71.7 0.0 145.2

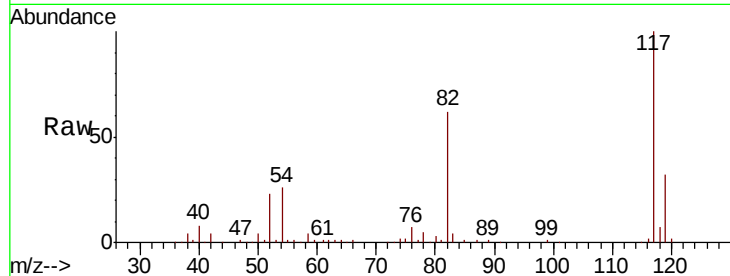




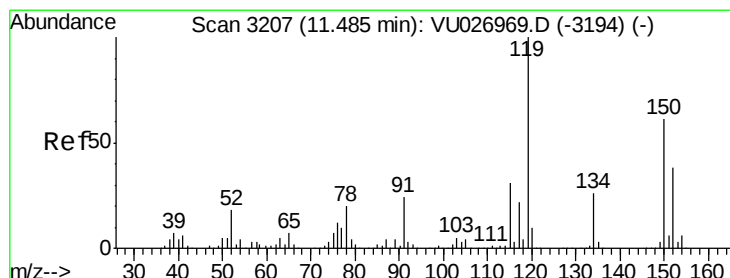
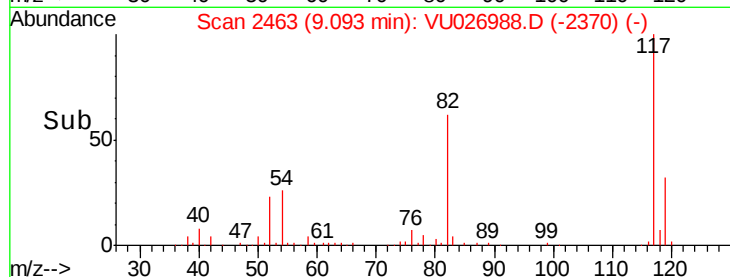
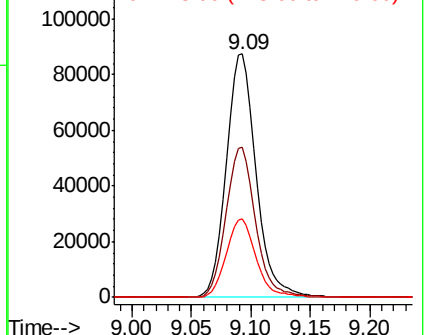
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026988.D
Acq: 21 Sep 2018 23:35

Instrument :
MSVOA_U
ClientSampleId :
FC-MW09S-20180911

Tgt Ion:117 Resp: 152144
Ion Ratio Lower Upper
117 100
82 61.5 48.0 72.0
119 32.1 25.8 38.8

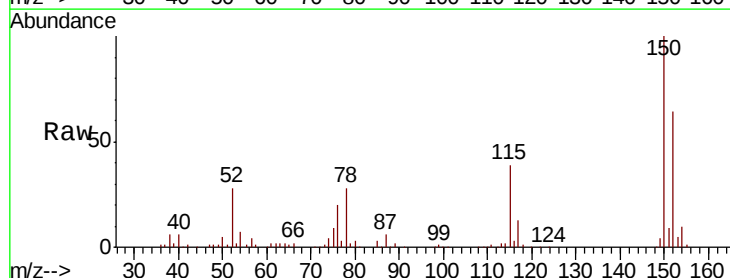


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU026969.D (-2449) (-)
Ion 118.90 (118.60 to 119.60): V

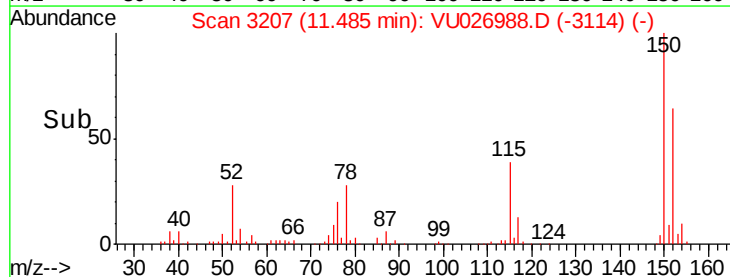
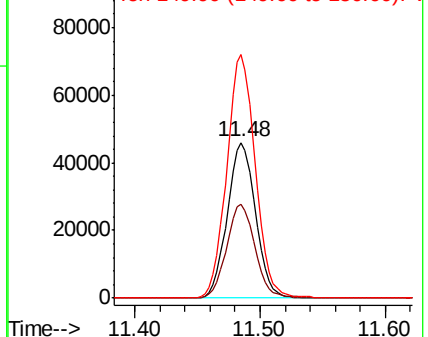


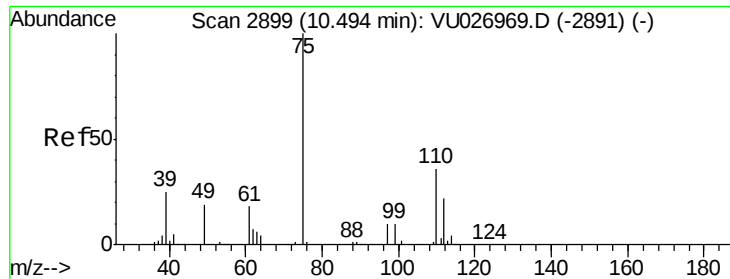
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU026988.D
Acq: 21 Sep 2018 23:35

Tgt Ion:152 Resp: 72125
Ion Ratio Lower Upper
152 100
115 60.4 44.9 134.5
150 156.8 0.0 355.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): VU026969.D (-3194) (-)
Ion 149.90 (149.60 to 150.60): V

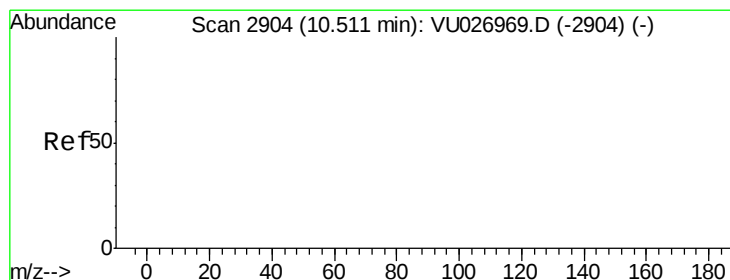
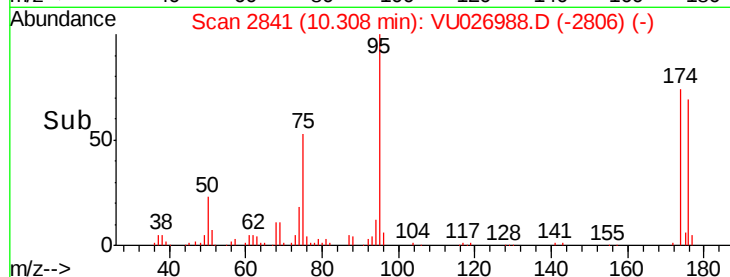
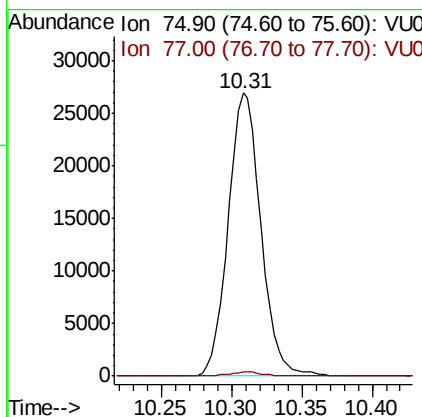
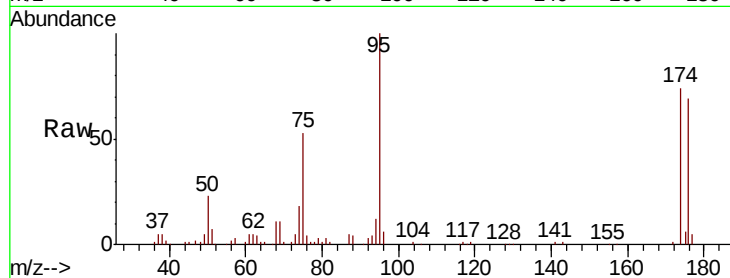




#76
 1,2,3-Trichloropropane
 Concen: 19.915 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU026988.D
 Acq: 21 Sep 2018 23:35

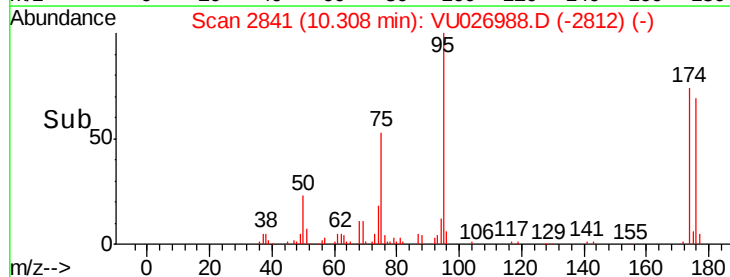
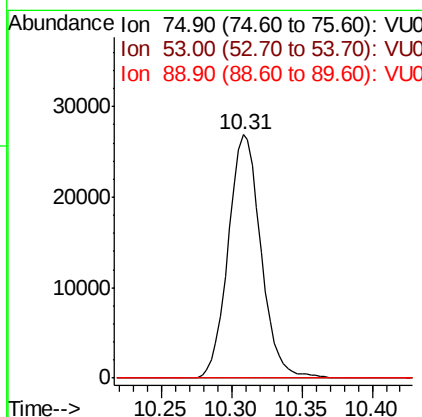
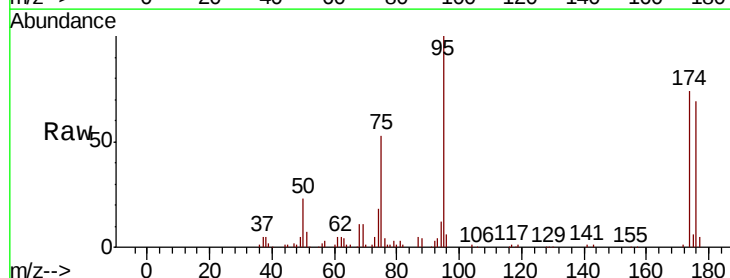
Instrument :
 MSVOA_U
 ClientSampleId :
 FC-MW09S-20180911

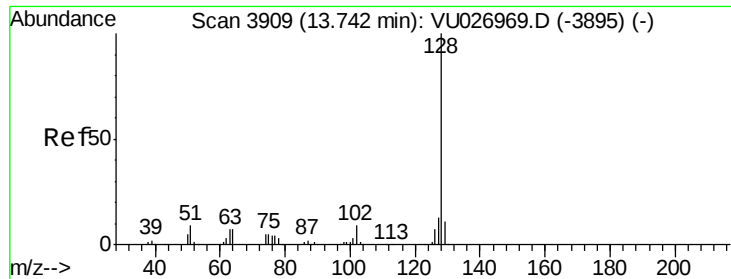
Tgt Ion: 75 Resp: 43636
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.9 62.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.731 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.21 min
 Lab File: VU026988.D
 Acq: 21 Sep 2018 23:35

Tgt Ion: 75 Resp: 43636
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#95

Naphthalene

Concen: 1.696 ug/l

RT: 13.77 min Scan# 3918

Delta R.T. 0.03 min

Lab File: VU026988.D

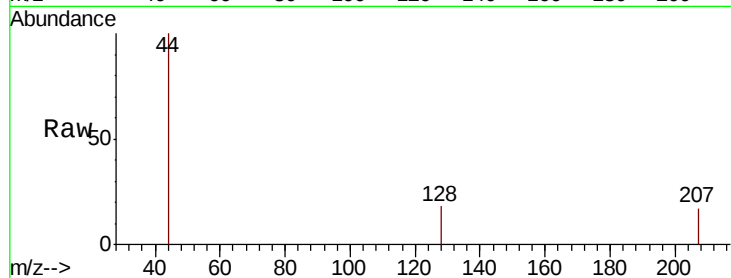
Acq: 21 Sep 2018 23:35

Instrument :

MSVOA_U

ClientSampleId :

FC-MW09S-20180911



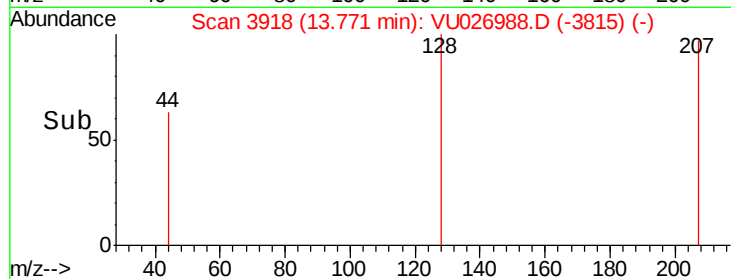
Tgt Ion:128 Resp: 41

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

