

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092618\
 Data File : VU027159.D
 Acq On : 26 Sep 2018 04:25
 Operator : MD/SY
 Sample : J5032-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-20-092018

Quant Time: Sep 26 06:05:13 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	88498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	150280	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	145103	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	65163	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	95628	53.69	ug/l	0.00
Spiked Amount			Recovery	=	107.38%	
35) Dibromofluoromethane	4.88	113	65583	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
50) Toluene-d8	7.57	98	243799	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	
62) 4-Bromofluorobenzene	10.31	95	77536	45.52	ug/l	0.00
Spiked Amount			Recovery	=	91.04%	

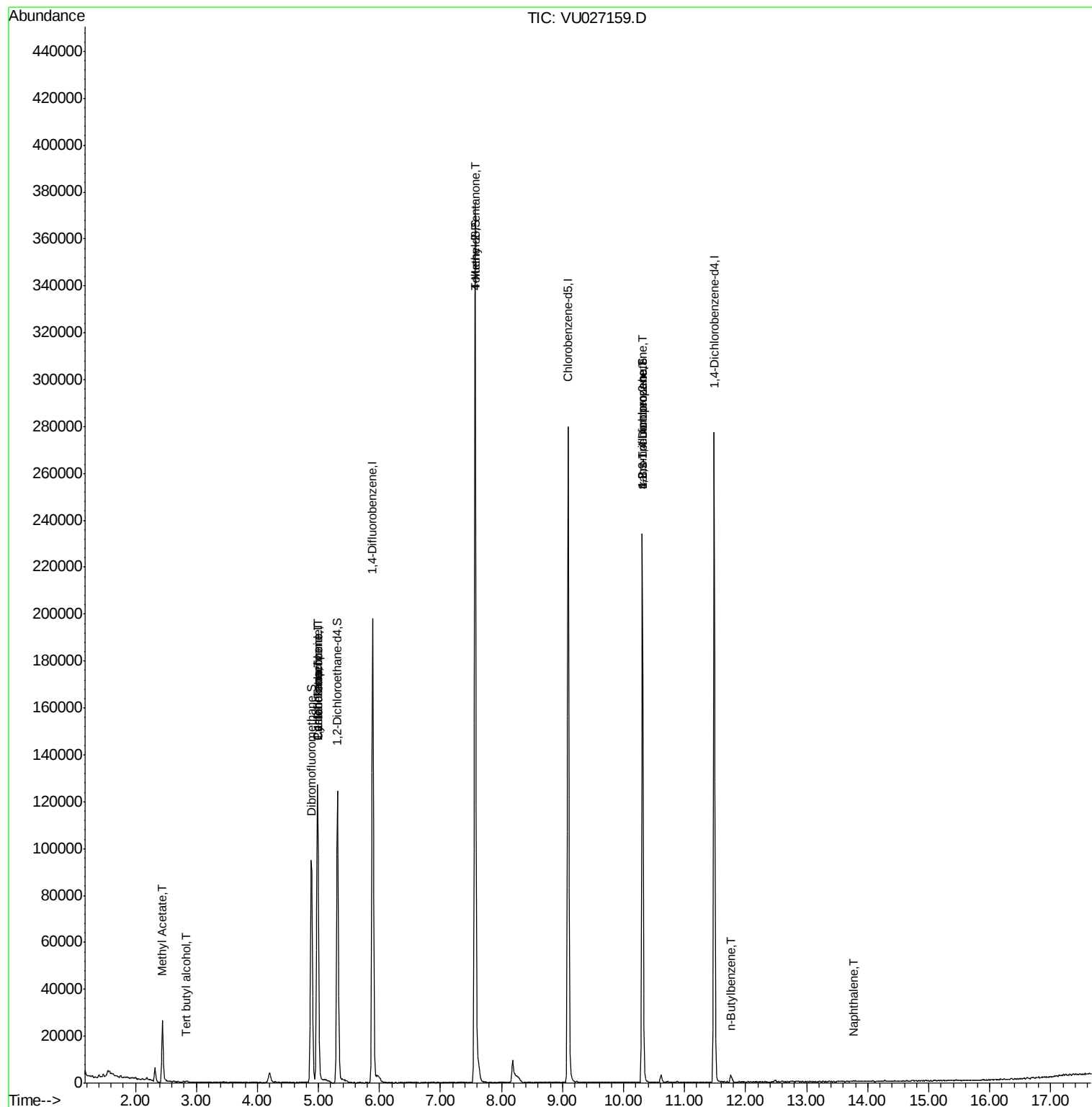
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.84	59	740	1.813	ug/l #	72
16) Acetone	2.32	43	6453	Below Cal		97
18) Methyl Acetate	2.44	43	6620	2.611	ug/l #	55
31) Cyclohexane	4.99	56	2378	0.324	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	8500	4.238	ug/l #	50
38) Carbon Tetrachloride	4.99	117	9202	4.821	ug/l #	18
51) 4-Methyl-2-Pentanone	7.57	43	1323	0.497	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	41898	21.165	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	41898	67.730	ug/l #	100
89) n-Butylbenzene	11.76	91	106	2.415	ug/l #	33
95) Naphthalene	13.77	128	453	1.770	ug/l #	69

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

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Quant Title : SW846 8260
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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: VU027159.D

Acq: 26 Sep 2018 04:25

Instrument :

MSVOA_U

ClientSampleId :

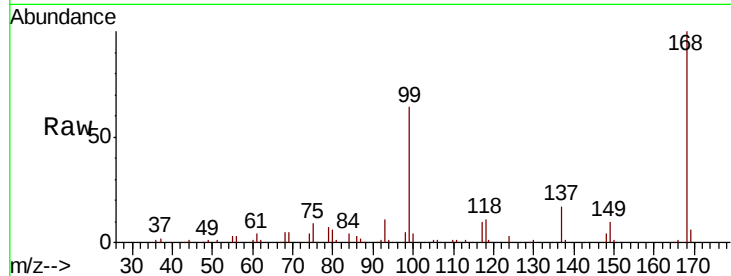
MW-20-092018

Tot Ion:168 Resp: 88498

Ion Ratio Lower Upper

168 100

99 63.7 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

40000

30000

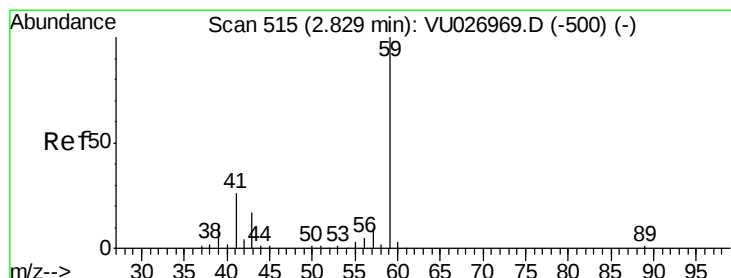
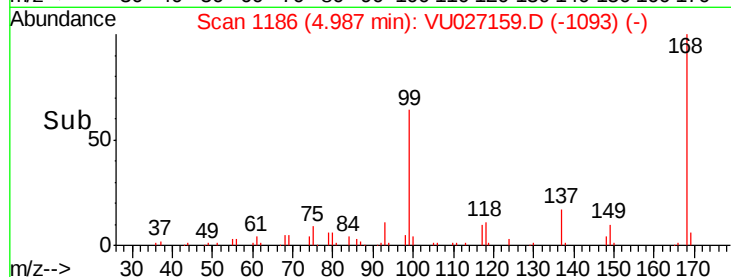
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#11

Tert butyl alcohol

Concen: 1.813 ug/l

RT: 2.84 min Scan# 518

Delta R.T. 0.01 min

Lab File: VU027159.D

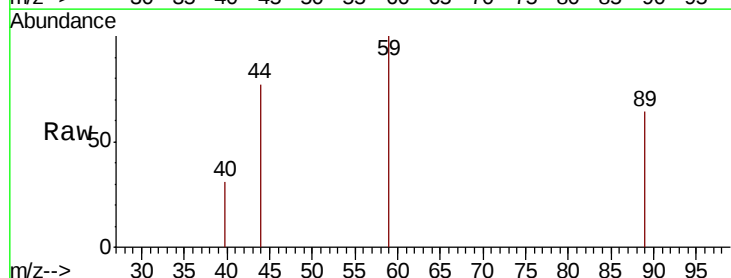
Acq: 26 Sep 2018 04:25

Tgt Ion: 59 Resp: 740

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU026969.D (-500) (-)

Ion 57.00 (56.70 to 57.70): VU026969.D (-500) (-)

2.84

300

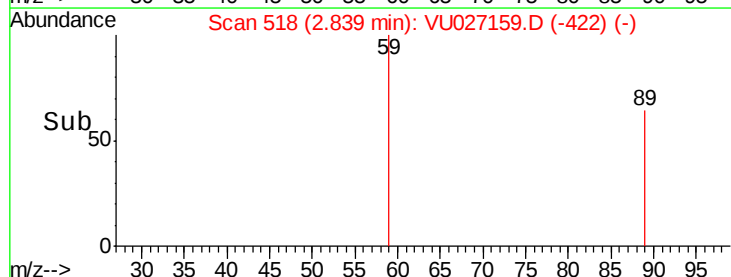
200

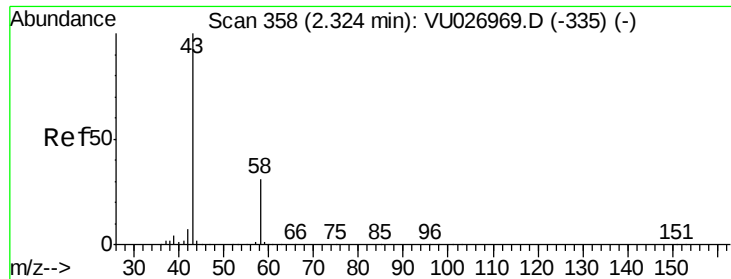
100

0

2.80 2.85

Time-->





#16

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027159.D

Acq: 26 Sep 2018 04:25

Instrument :

MSVOA_U

ClientSampleId :

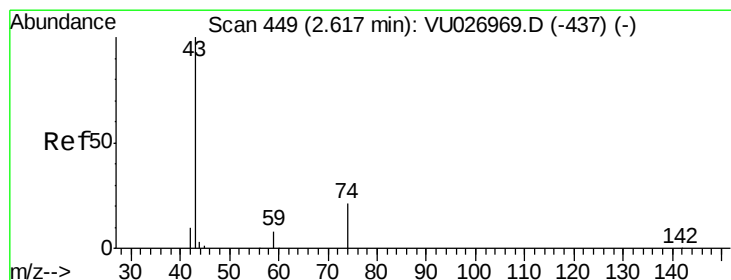
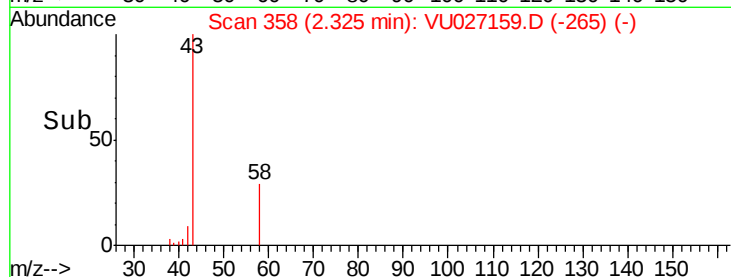
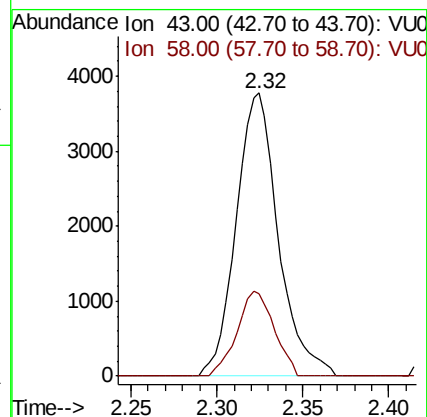
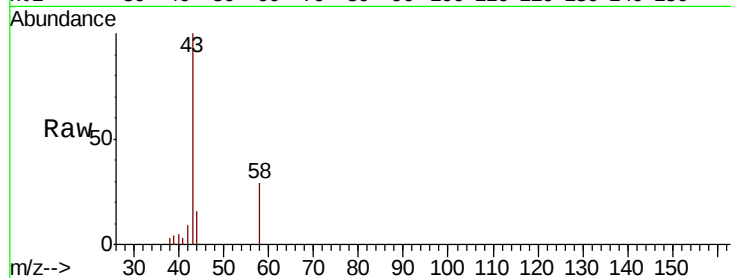
MW-20-092018

Tot Ion: 43 Resp: 6453

Ion Ratio Lower Upper

43 100

58 29.2 24.6 36.8



#18

Methyl Acetate

Concen: 2.611 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.17 min

Lab File: VU027159.D

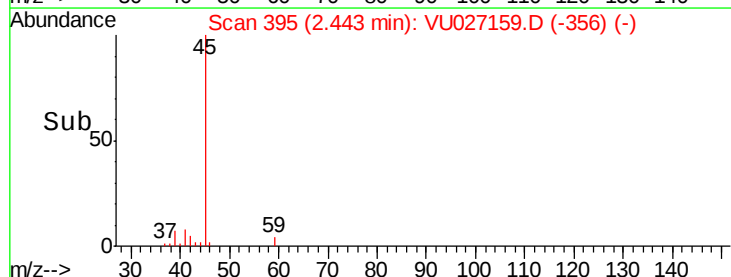
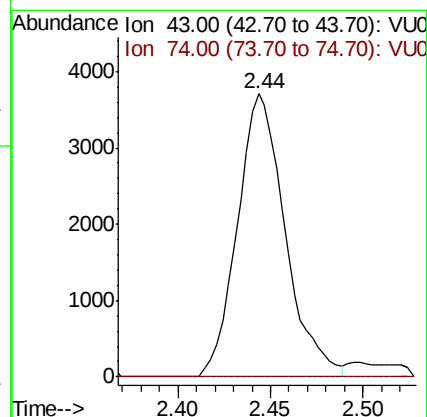
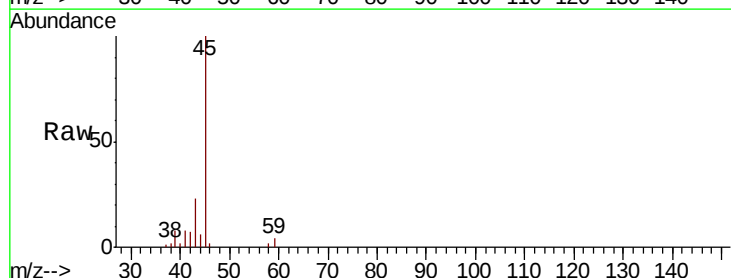
Acq: 26 Sep 2018 04:25

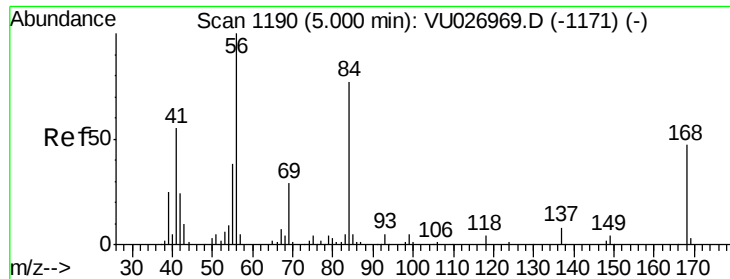
Tgt Ion: 43 Resp: 6620

Ion Ratio Lower Upper

43 100

74 0.0 16.6 25.0#

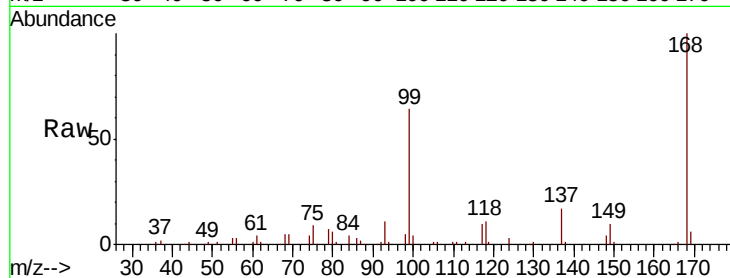




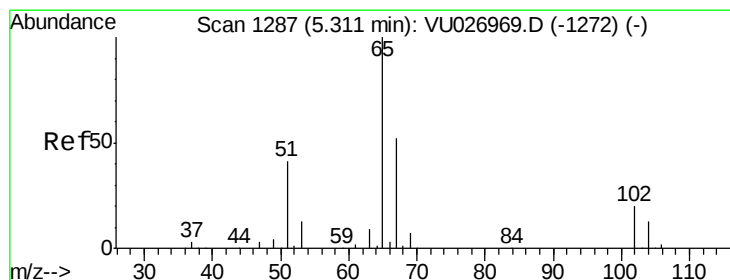
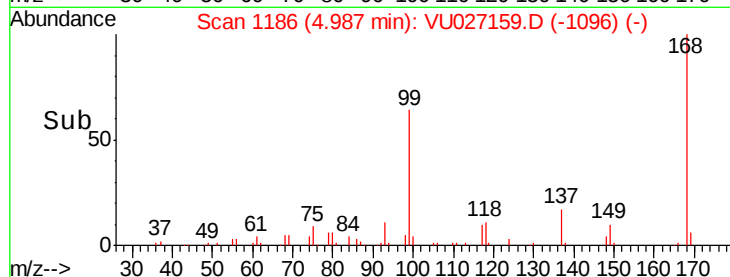
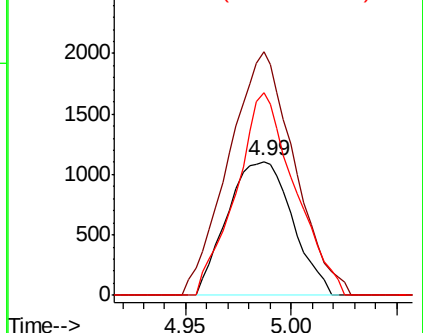
#31
Cyclohexane
Concen: 0.324 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU027159.D
Acq: 26 Sep 2018 04:25

Instrument :
MSVOA_U
ClientSampleId :
MW-20-092018

Tot Ion: 56 Resp: 2378
Ion Ratio Lower Upper
56 100
69 170.2 23.0 34.4#
84 151.5 61.4 92.2#

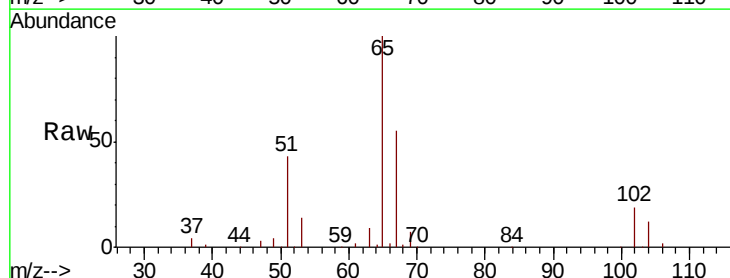


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

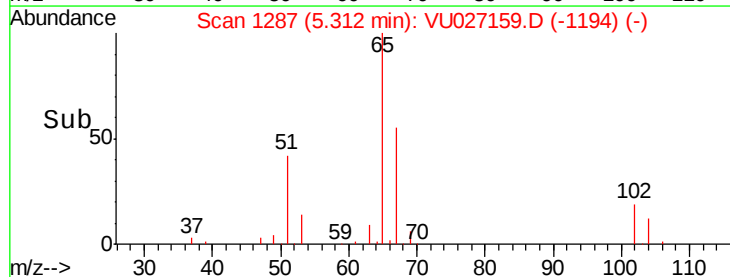
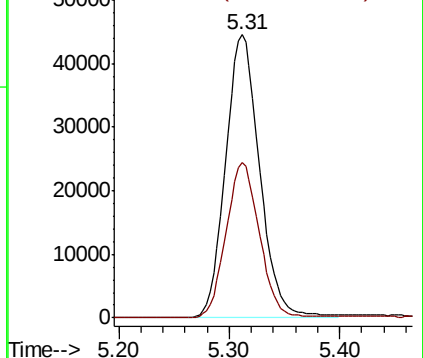


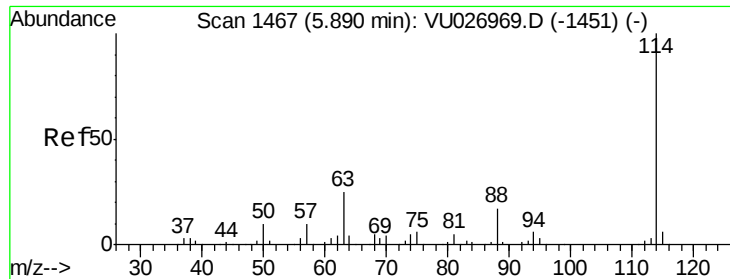
#33
1,2-Dichloroethane-d4
Concen: 53.688 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027159.D
Acq: 26 Sep 2018 04:25

Tgt Ion: 65 Resp: 95628
Ion Ratio Lower Upper
65 100
67 53.8 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: VU027159.D

Acq: 26 Sep 2018 04:25

Instrument :

MSVOA_U

ClientSampleId :

MW-20-092018

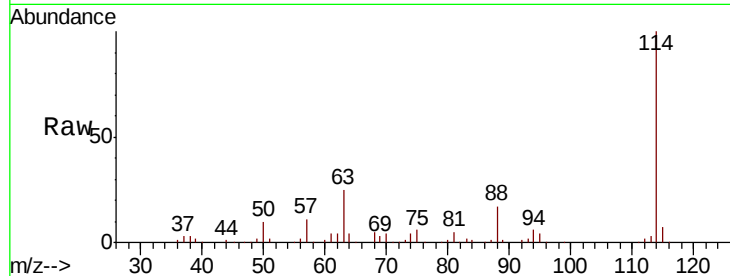
Tot Ion:114 Resp: 150280

Ion Ratio Lower Upper

114 100

63 25.5 0.0 49.2

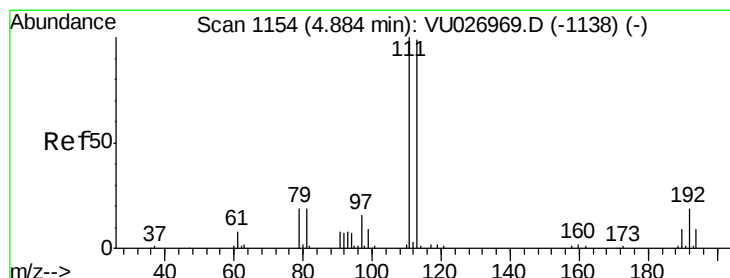
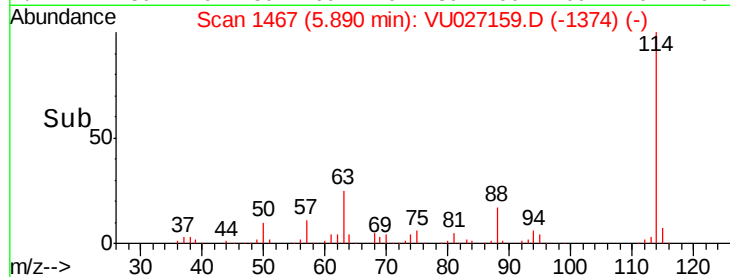
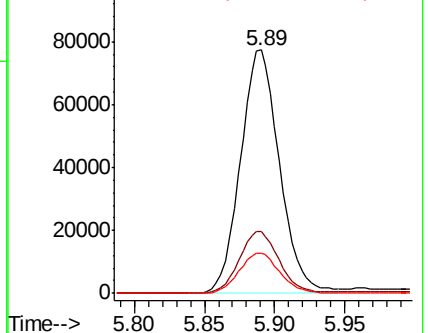
88 16.6 0.0 33.8



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: 50.347 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027159.D

Acq: 26 Sep 2018 04:25

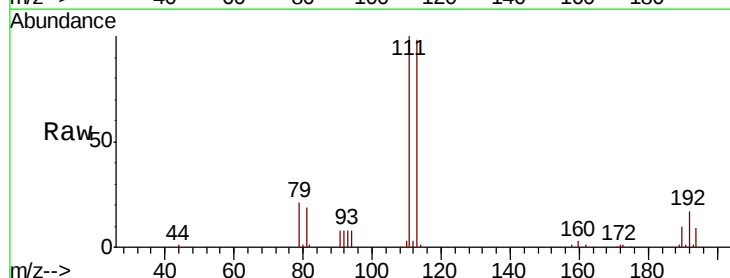
Tgt Ion:113 Resp: 65583

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.4

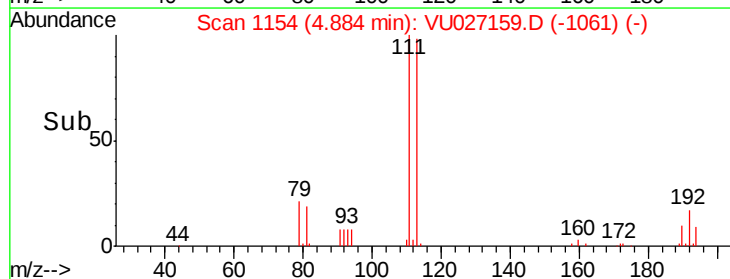
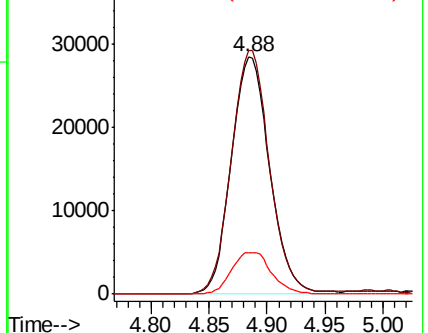
192 18.2 15.2 22.8

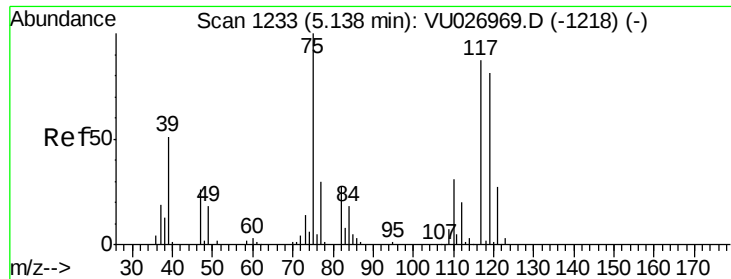


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

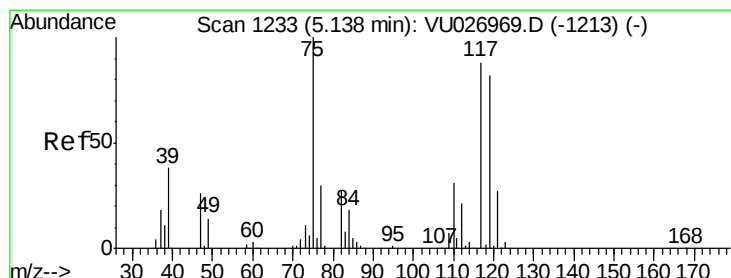
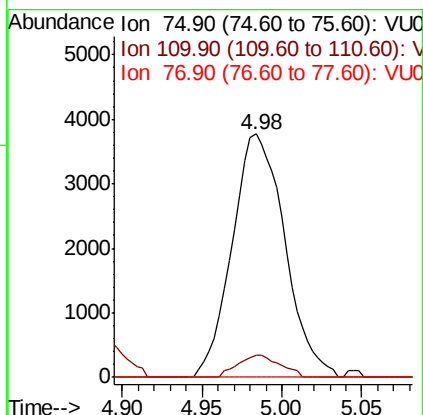
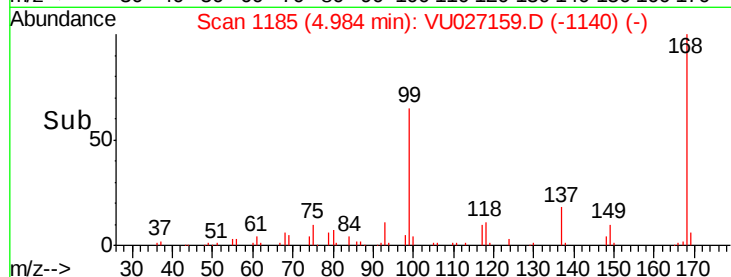
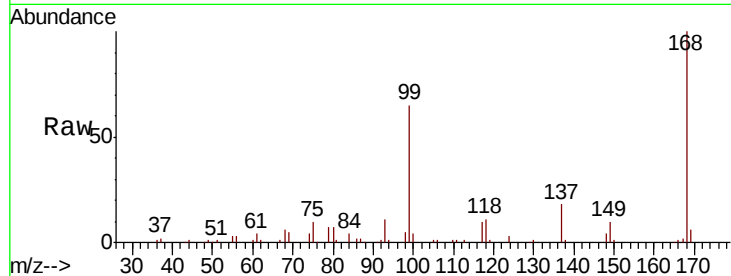




#36
 1,1-Dichloropropene
 Concen: 4.238 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027159.D
 Acq: 26 Sep 2018 04:25

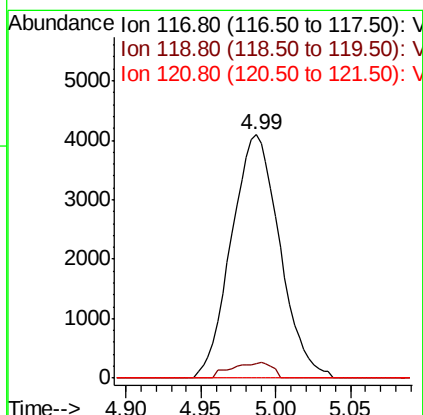
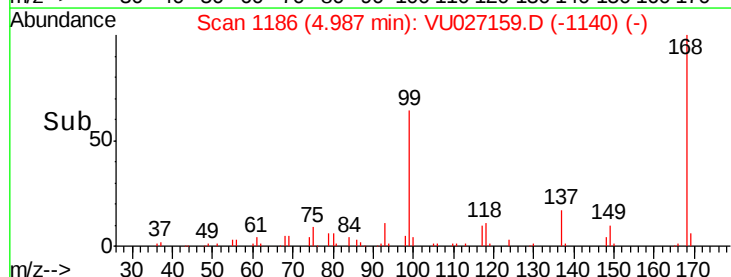
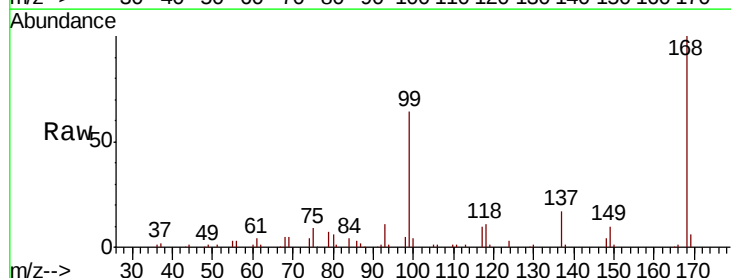
Instrument :
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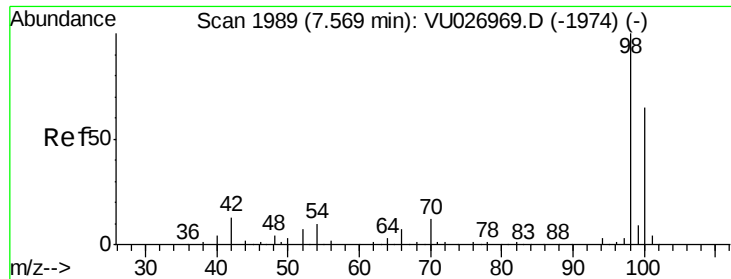
Tot Ion: 75 Resp: 8500
 Ion Ratio Lower Upper
 75 100
 110 7.4 16.1 48.2#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 4.821 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027159.D
 Acq: 26 Sep 2018 04:25

Tgt Ion: 117 Resp: 9202
 Ion Ratio Lower Upper
 117 100
 119 5.9 74.4 111.6#
 121 0.0 24.2 36.4#

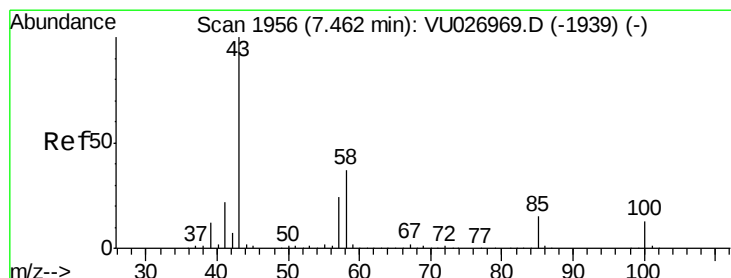
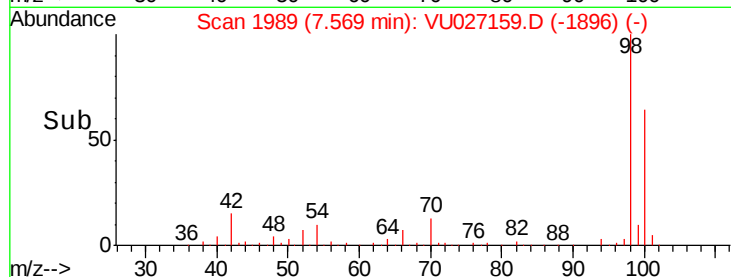
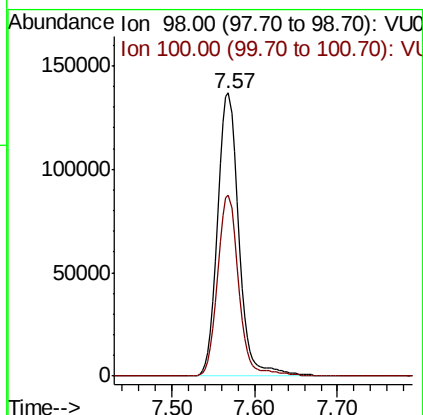
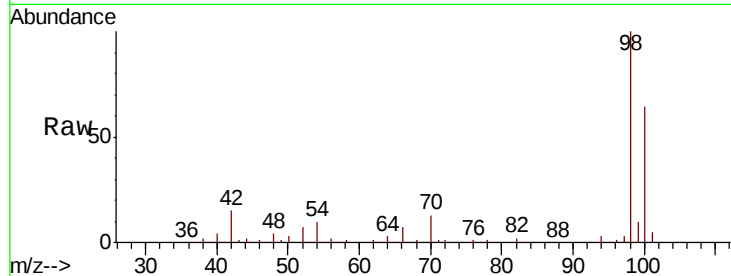




#50
Toluene-d8
Concen: 49.110 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027159.D
Acq: 26 Sep 2018 04:25

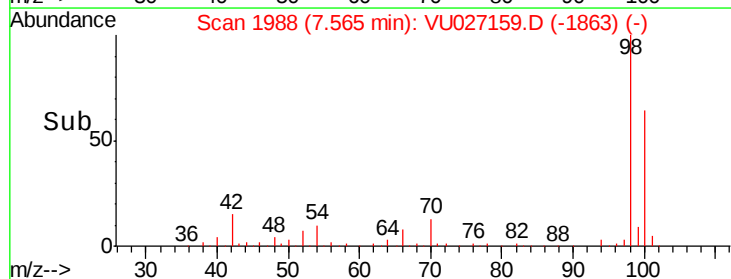
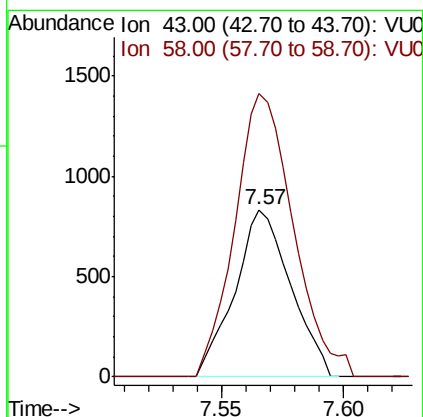
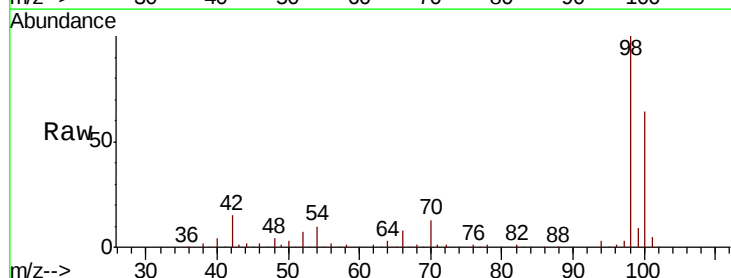
Instrument :
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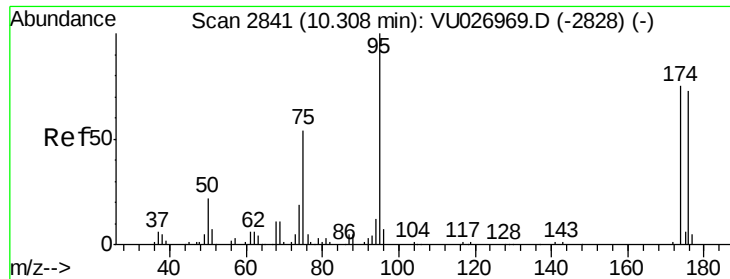
Tot Ion: 98 Resp: 243799
Ion Ratio Lower Upper
98 100
100 63.3 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.497 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.10 min
Lab File: VU027159.D
Acq: 26 Sep 2018 04:25

Tgt Ion: 43 Resp: 1323
Ion Ratio Lower Upper
43 100
58 177.7 29.8 44.6#

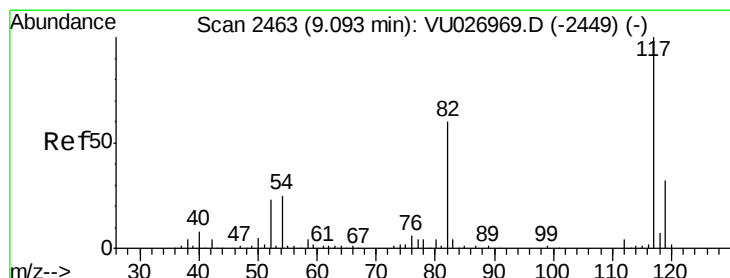
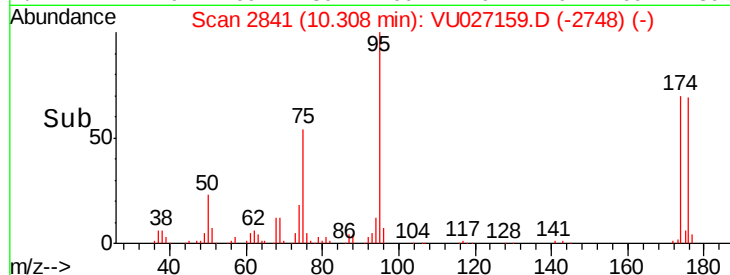
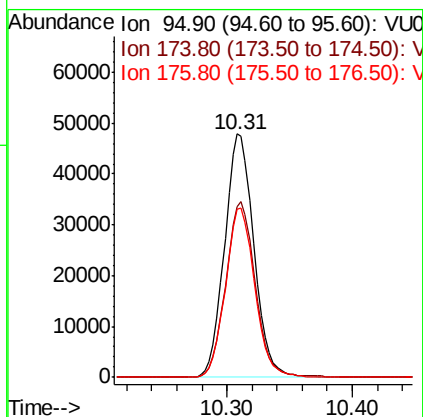
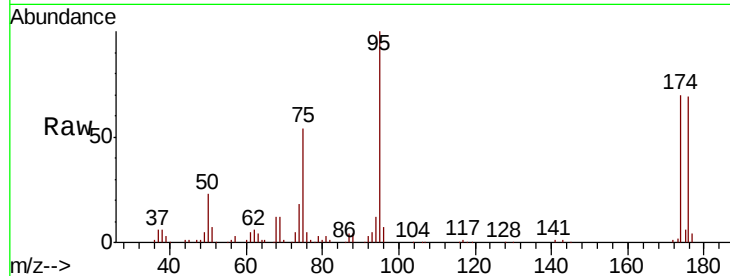




#62
4-Bromofluorobenzene
Concen: 45.518 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027159.D
Acq: 26 Sep 2018 04:25

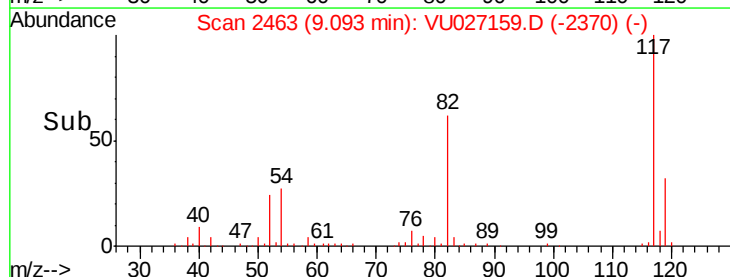
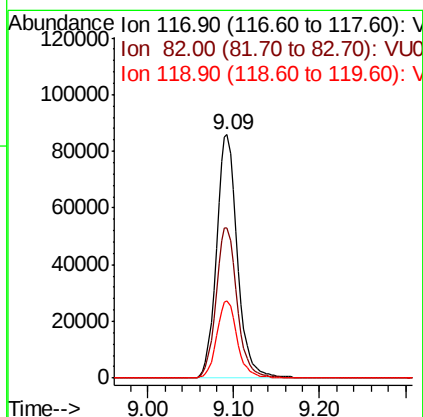
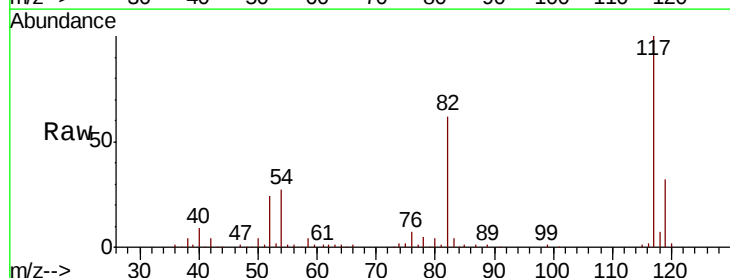
Instrument :
MSVOA_U
ClientSampleId :
MW-20-092018

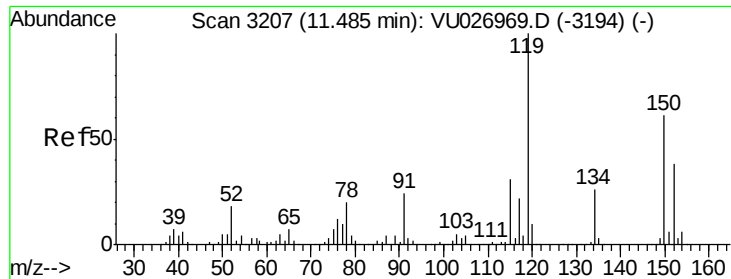
Tot Ion: 95 Resp: 77536
Ion Ratio Lower Upper
95 100
174 72.6 0.0 150.2
176 69.7 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027159.D
Acq: 26 Sep 2018 04:25

Tgt Ion: 117 Resp: 145103
Ion Ratio Lower Upper
117 100
82 61.6 48.0 72.0
119 31.9 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027159.D

Acq: 26 Sep 2018 04:25

Instrument :

MSVOA_U

ClientSampleId :

MW-20-092018

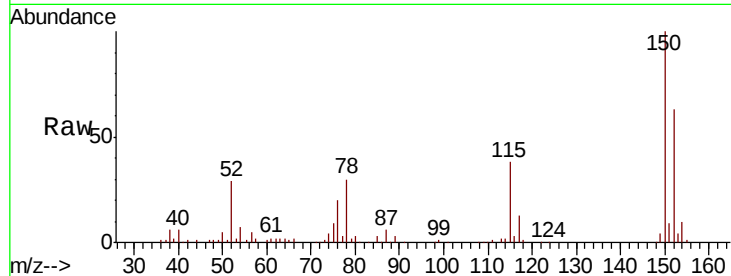
Tot Ion:152 Resp: 65163

Ion Ratio Lower Upper

152 100

115 60.5 44.9 134.5

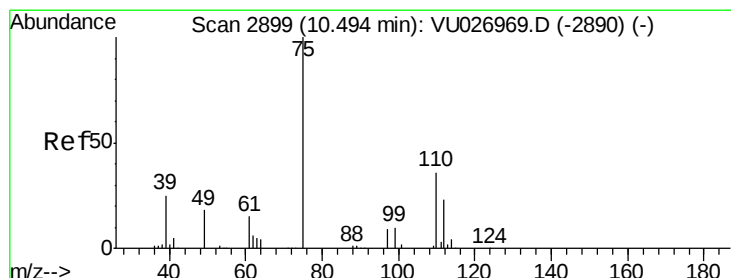
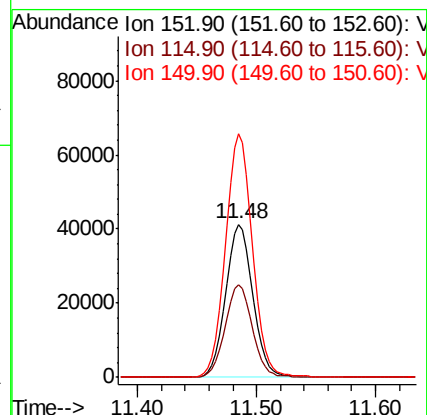
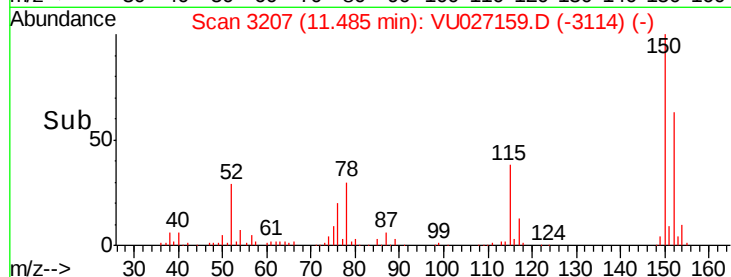
150 157.8 0.0 355.8



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: 21.165 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027159.D

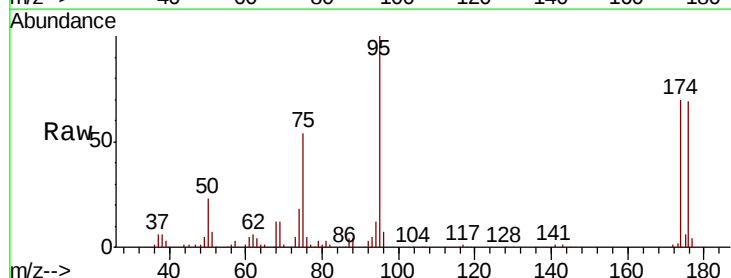
Acq: 26 Sep 2018 04:25

Tgt Ion: 75 Resp: 41898

Ion Ratio Lower Upper

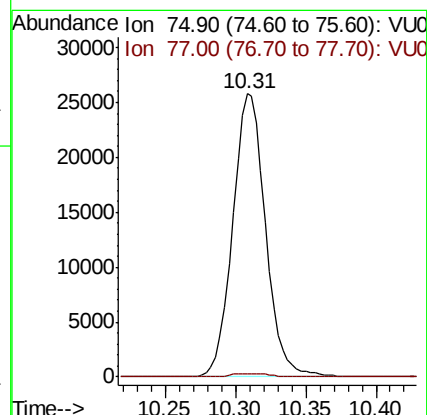
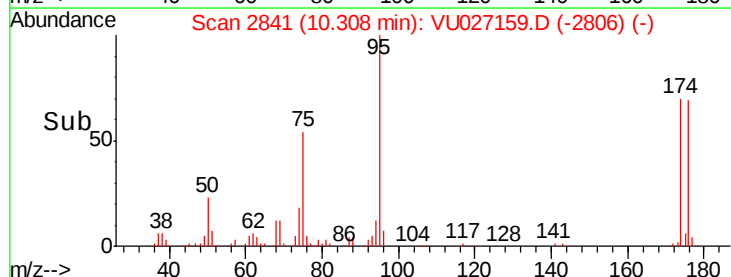
75 100

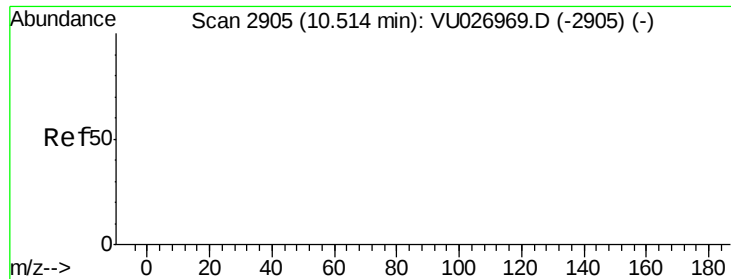
77 1.2 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

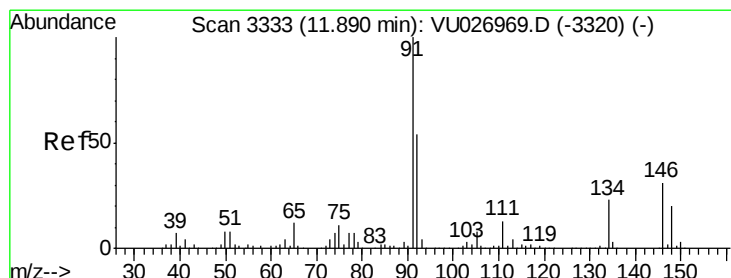
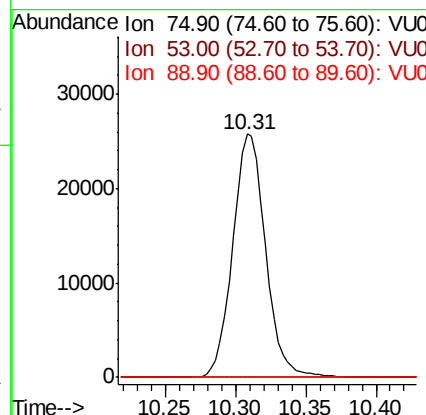
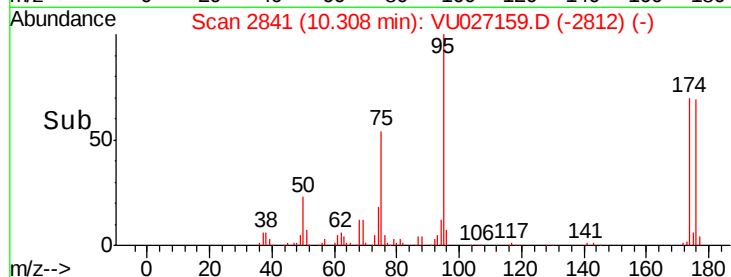
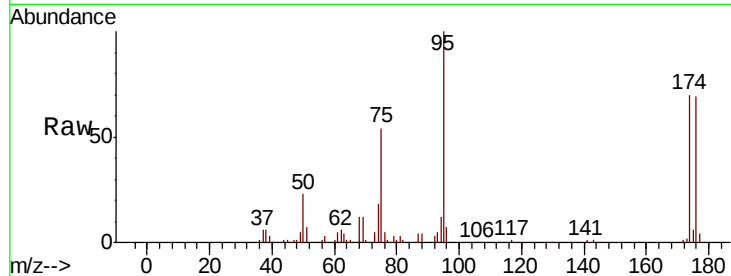




#81
trans-1,4-Dichloro-2-butene
Concen: 67.730 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.21 min
Lab File: VU027159.D
Acq: 26 Sep 2018 04:25

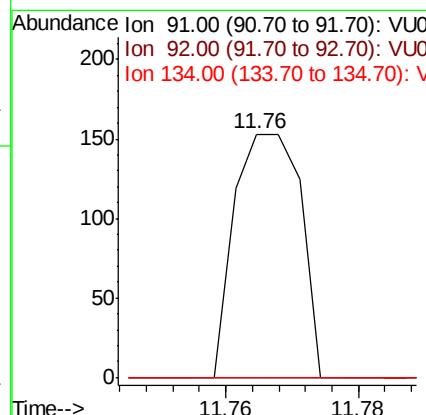
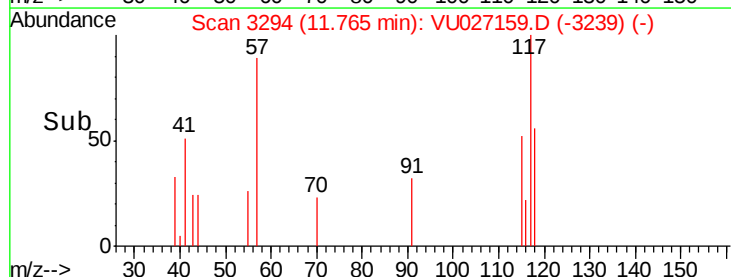
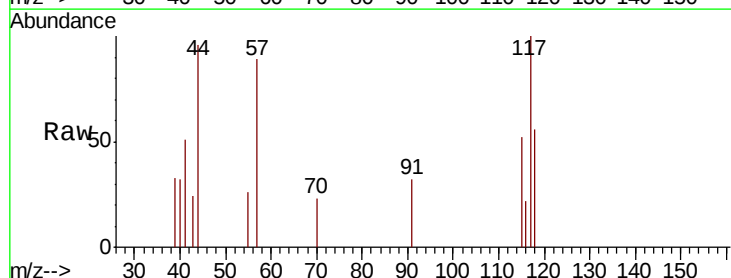
Instrument :
MSVOA_U
ClientSampleId :
MW-20-092018

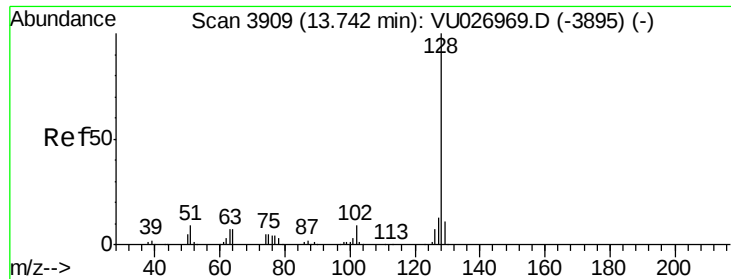
Tot Ion: 75 Resp: 41898
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#89
n-Butylbenzene
Concen: 2.415 ug/l
RT: 11.76 min Scan# 3294
Delta R.T. -0.12 min
Lab File: VU027159.D
Acq: 26 Sep 2018 04:25

Tgt Ion: 91 Resp: 106
Ion Ratio Lower Upper
91 100
92 0.0 27.1 81.2#
134 0.0 11.7 35.0#





#95

Napthalene

Concen: 1.770 ug/l

RT: 13.77 min Scan# 3917

Delta R.T. 0.03 min

Lab File: VU027159.D

Acq: 26 Sep 2018 04:25

Instrument :

MSVOA_U

ClientSampleId :

MW-20-092018

Tot Ion:128 Resp: 453

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 12.8#

