

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092418\
 Data File : VU027107.D
 Acq On : 24 Sep 2018 14:35
 Operator : MD/SY
 Sample : J4969-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FT-MW09I-20180917

Quant Time: Sep 25 01:35:11 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	90487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	151726	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	146490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	65830	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	93960	51.59	ug/l	0.00
Spiked Amount			Recovery	=	103.18%	
35) Dibromofluoromethane	4.88	113	65359	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
50) Toluene-d8	7.57	98	246175	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
62) 4-Bromofluorobenzene	10.31	95	78947	45.90	ug/l	0.00
Spiked Amount			Recovery	=	91.80%	

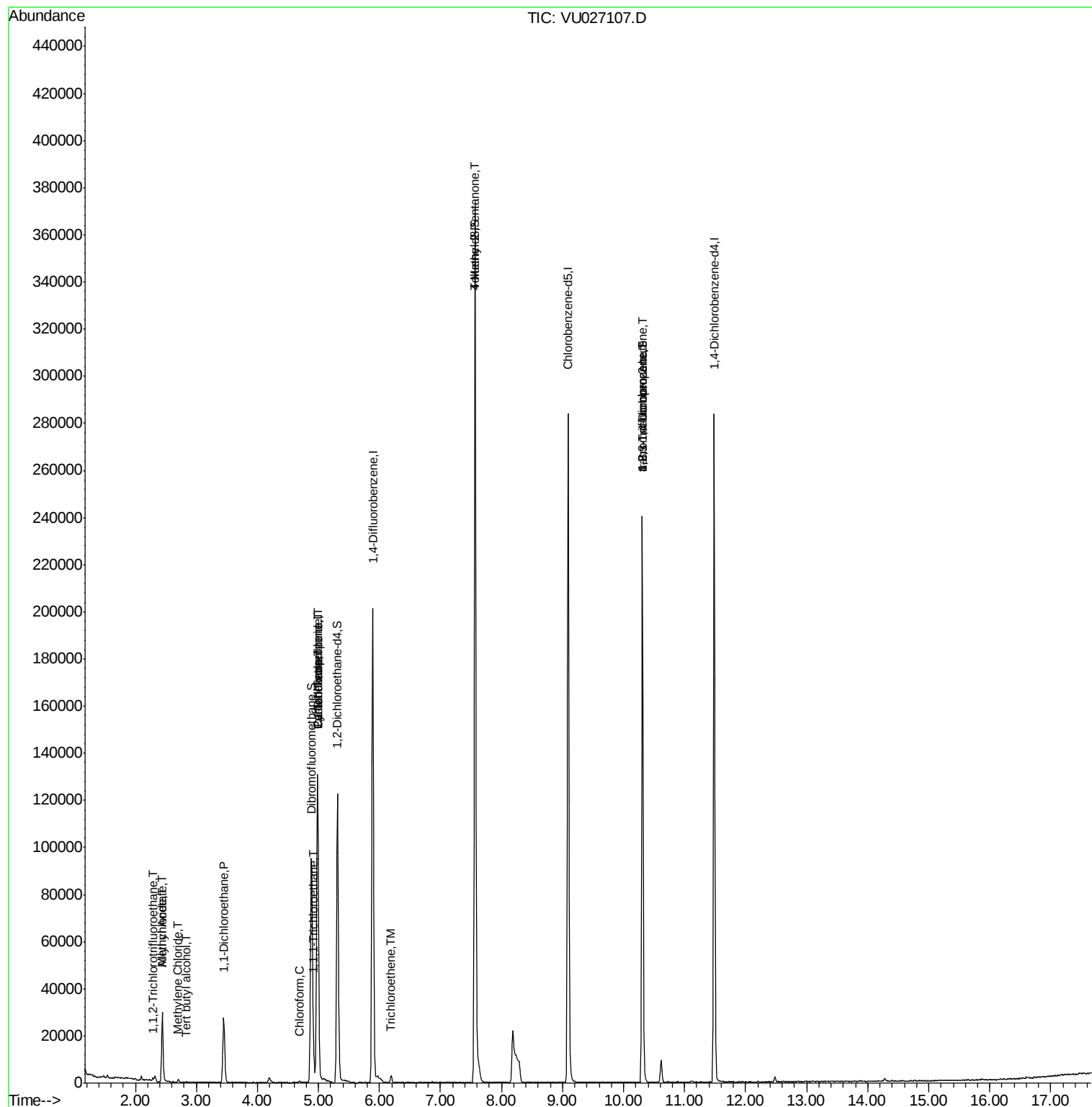
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.29	101	531	0.400	ug/l	92
11) Tert butyl alcohol	2.83	59	99	0.237	ug/l #	72
14) Allyl chloride	2.44	41	2926	1.154	ug/l #	71
16) Acetone	2.32	43	2859	Below Cal		97
18) Methyl Acetate	2.44	43	7618	2.939	ug/l #	55
20) Methylene Chloride	2.70	84	474	0.291	ug/l #	82
24) 1,1-Dichloroethane	3.45	63	32037	10.729	ug/l	98
30) Chloroform	4.68	83	560	0.202	ug/l	86
31) Cyclohexane	4.98	56	2221	0.246	ug/l #	1
32) 1,1,1-Trichloroethane	4.92	97	6324	2.858	ug/l	97
36) 1,1-Dichloropropene	4.98	75	8918	4.404	ug/l #	48
38) Carbon Tetrachloride	4.99	117	9312	4.832	ug/l #	19
44) Trichloroethene	6.19	130	1191	0.909	ug/l	99
51) 4-Methyl-2-Pentanone	7.56	43	1148	0.427	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	43076	21.539	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	43076	68.929	ug/l #	100

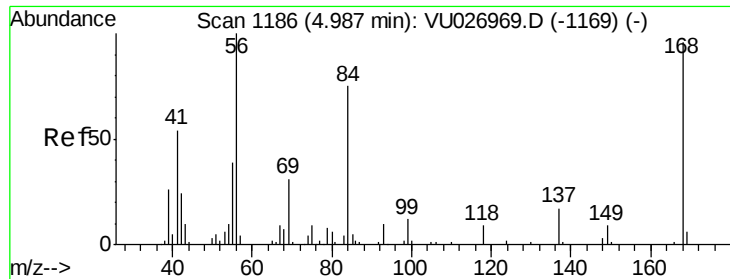
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027107.D

Acq: 24 Sep 2018 14:35

Instrument :

MSVOA_U

ClientSampleId :

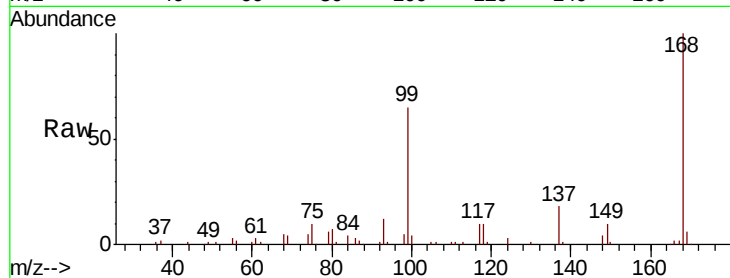
FT-MW09I-20180917

Tgt Ion:168 Resp: 90487

Ion Ratio Lower Upper

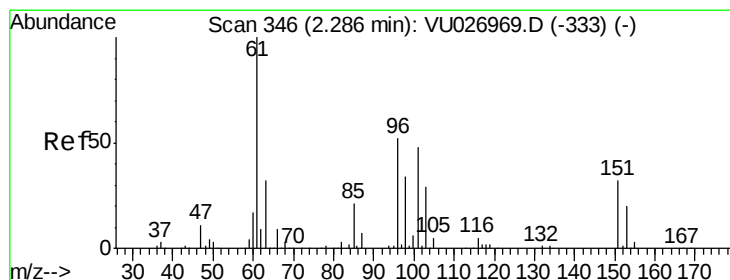
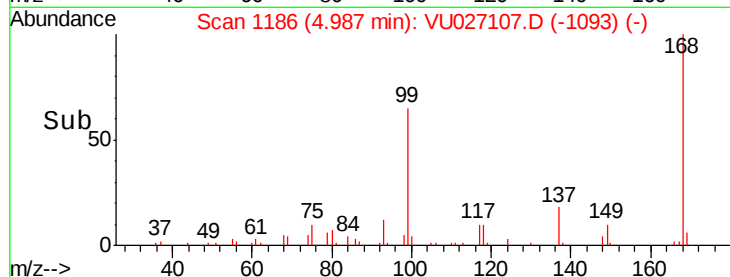
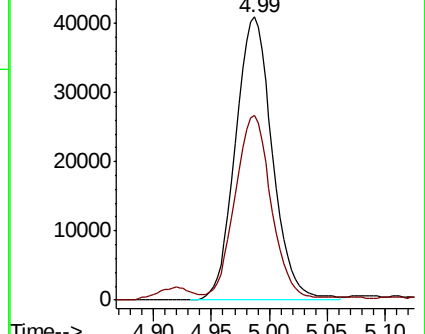
168 100

99 64.4 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.400 ug/l

RT: 2.29 min Scan# 348

Delta R.T. 0.01 min

Lab File: VU027107.D

Acq: 24 Sep 2018 14:35

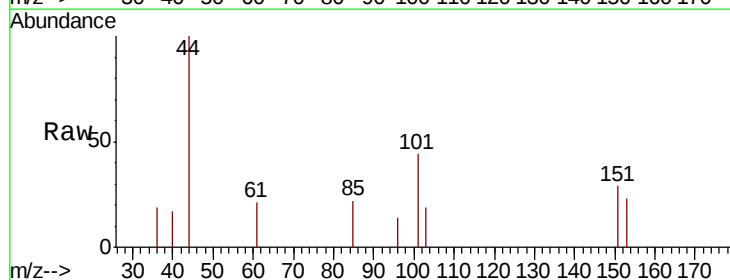
Tgt Ion:101 Resp: 531

Ion Ratio Lower Upper

101 100

85 38.4 36.2 54.2

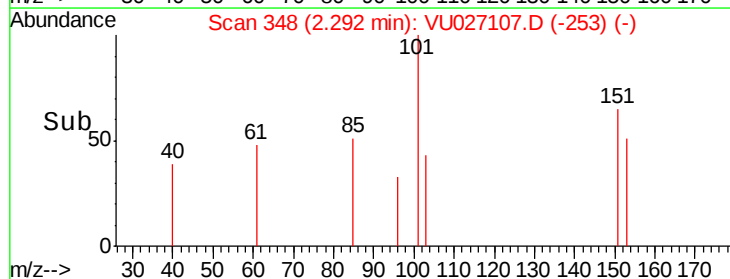
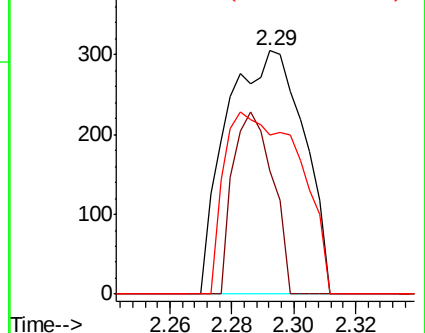
151 73.1 54.5 81.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



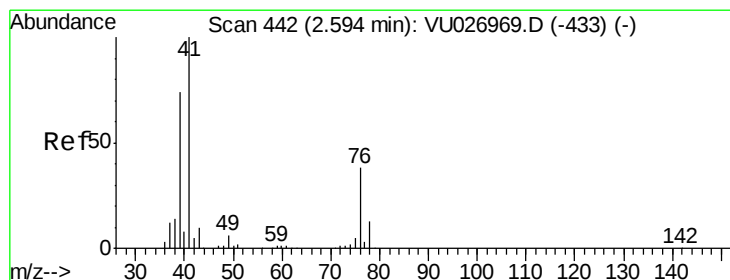
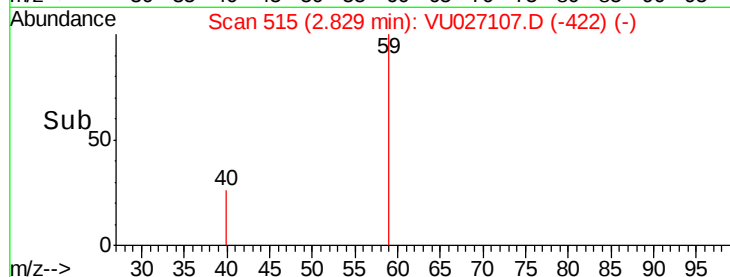
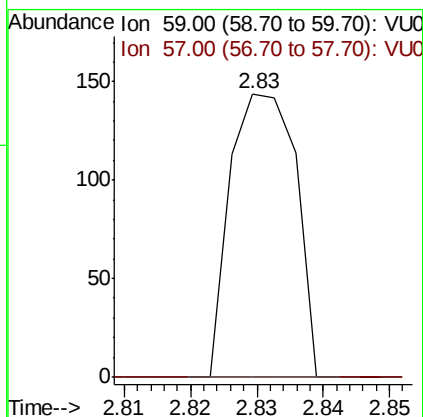
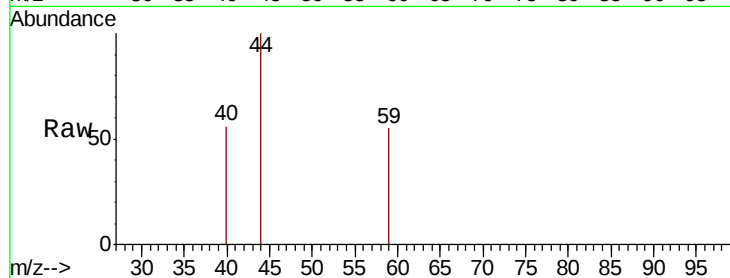


#11

Tert butyl alcohol
 Concen: 0.237 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. 0.00 min
 Lab File: VU027107.D
 Acq: 24 Sep 2018 14:35

Instrument :
 MSVOA_U
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 FT-MW09I-20180917

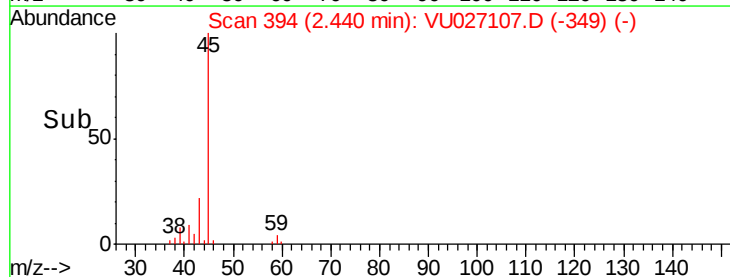
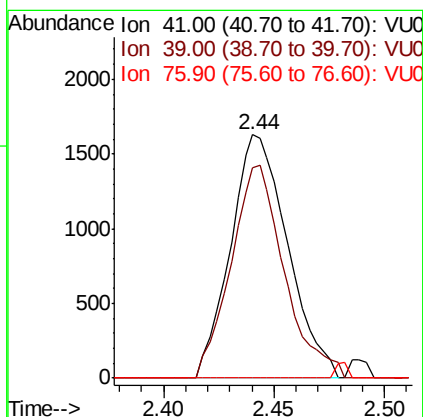
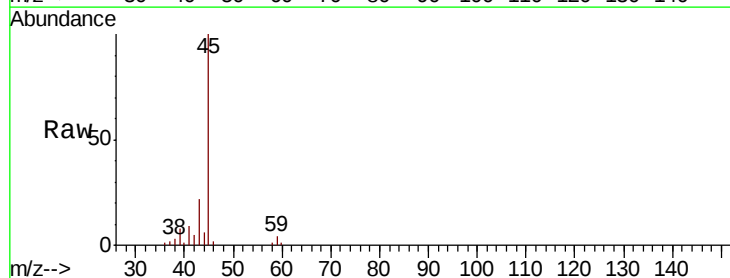
Tgt Ion: 59 Resp: 99
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#



#14

Allyl chloride
 Concen: 1.154 ug/l
 RT: 2.44 min Scan# 394
 Delta R.T. -0.15 min
 Lab File: VU027107.D
 Acq: 24 Sep 2018 14:35

Tgt Ion: 41 Resp: 2926
 Ion Ratio Lower Upper
 41 100
 39 81.7 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: VU027107.D

Acq: 24 Sep 2018 14:35

Instrument :

MSVOA_U

ClientSampleId :

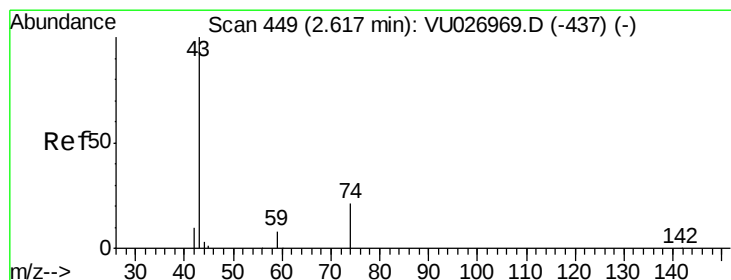
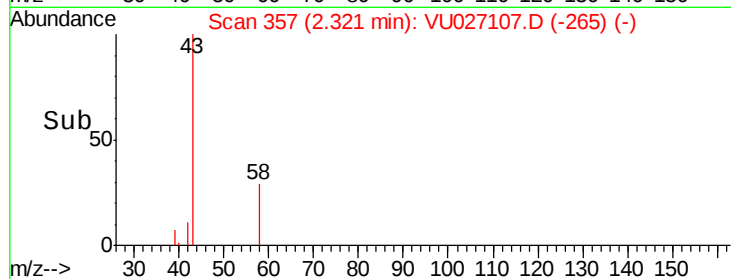
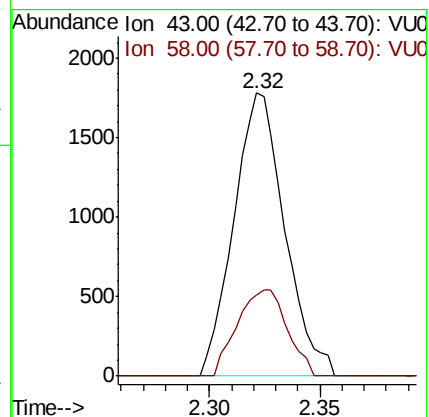
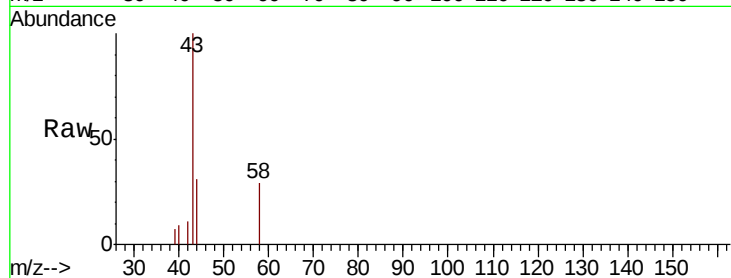
FT-MW09I-20180917

Tgt Ion: 43 Resp: 2859

Ion Ratio Lower Upper

43 100

58 28.9 24.6 36.8



#18

Methyl Acetate

Concen: 2.939 ug/l

RT: 2.44 min Scan# 394

Delta R.T. -0.18 min

Lab File: VU027107.D

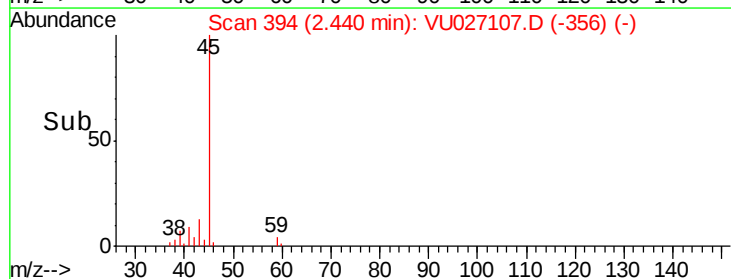
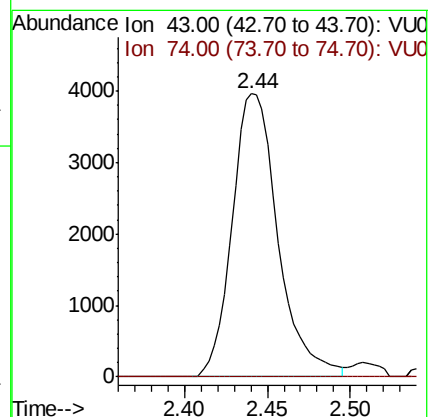
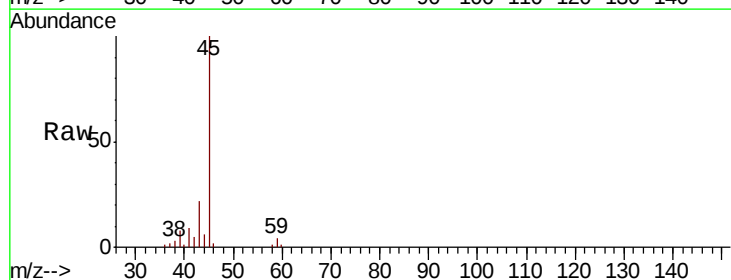
Acq: 24 Sep 2018 14:35

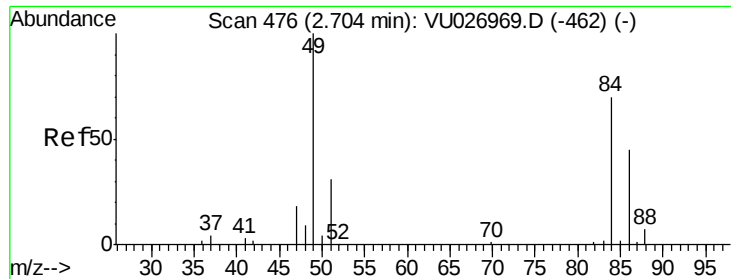
Tgt Ion: 43 Resp: 7618

Ion Ratio Lower Upper

43 100

74 0.0 16.6 25.0#

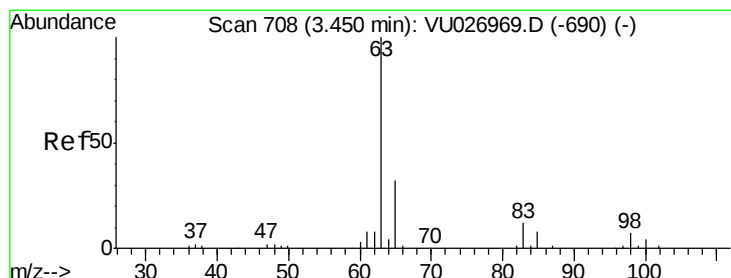
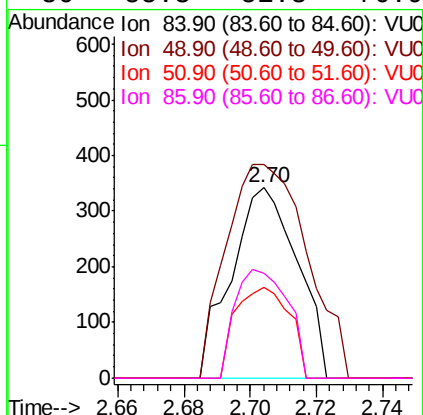
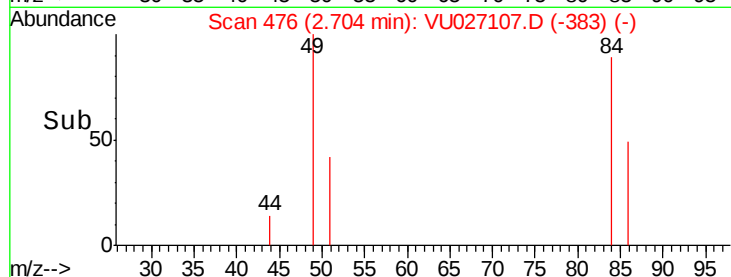
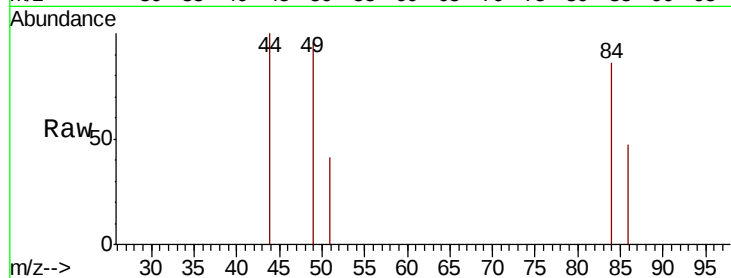




#20
Methylene Chloride
Concen: 0.291 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027107.D
Acq: 24 Sep 2018 14:35

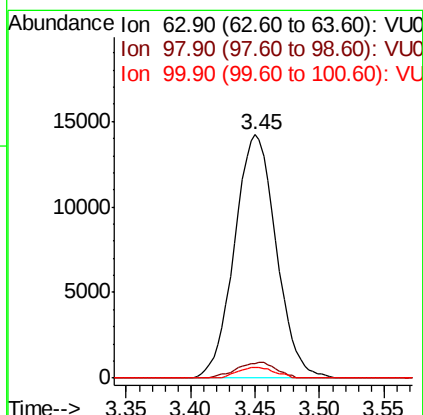
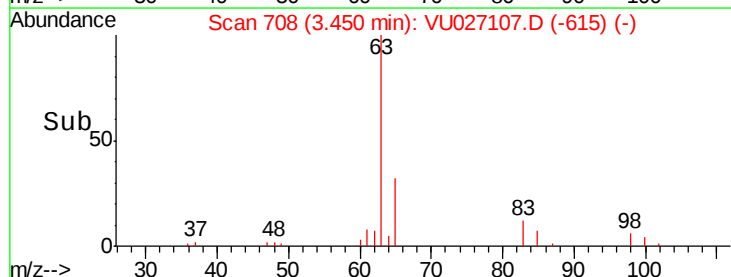
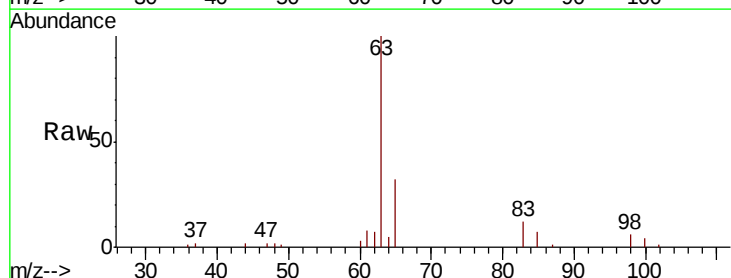
Instrument :
MSVOA_U
ClientSampleId :
FT-MW09I-20180917

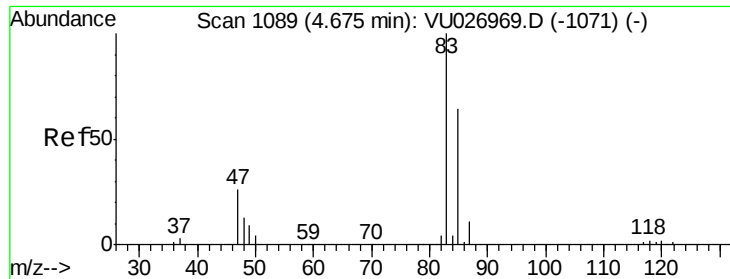
Tgt Ion: 84 Resp: 474
Ion Ratio Lower Upper
84 100
49 112.3 114.9 172.3#
51 47.4 35.8 53.8
86 55.3 51.3 76.9



#24
1,1-Dichloroethane
Concen: 10.729 ug/l
RT: 3.45 min Scan# 708
Delta R.T. 0.00 min
Lab File: VU027107.D
Acq: 24 Sep 2018 14:35

Tgt Ion: 63 Resp: 32037
Ion Ratio Lower Upper
63 100
98 6.0 3.3 9.8
100 4.4 2.0 5.8

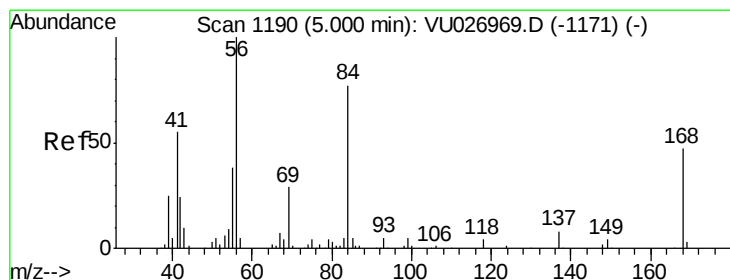
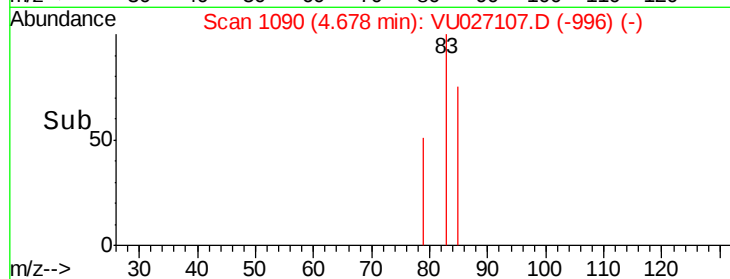
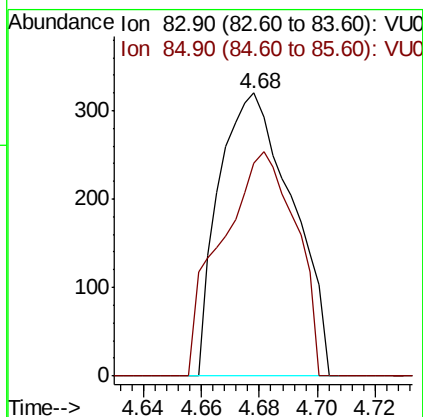
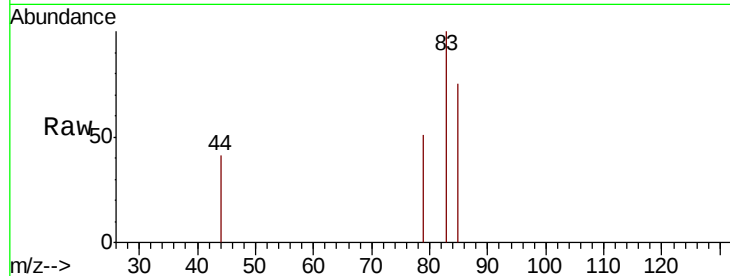




#30
Chloroform
Concen: 0.202 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027107.D
Acq: 24 Sep 2018 14:35

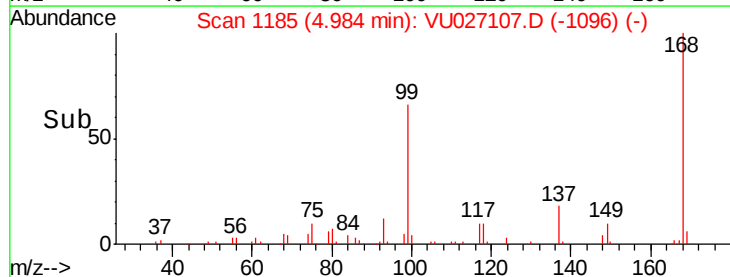
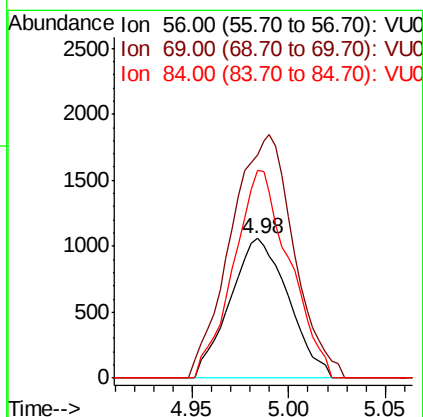
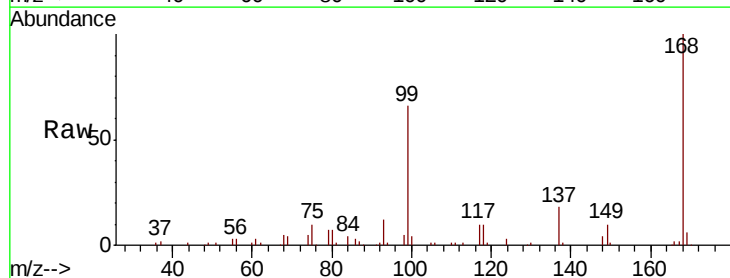
Instrument :
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FT-MW09I-20180917

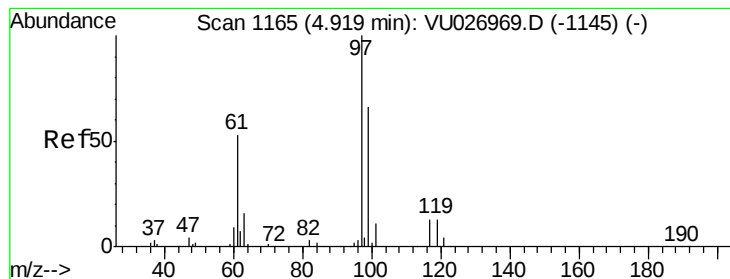
Tgt Ion: 83 Resp: 560
Ion Ratio Lower Upper
83 100
85 75.0 51.5 77.3



#31
Cyclohexane
Concen: 0.246 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.02 min
Lab File: VU027107.D
Acq: 24 Sep 2018 14:35

Tgt Ion: 56 Resp: 2221
Ion Ratio Lower Upper
56 100
69 159.9 23.0 34.4#
84 148.5 61.4 92.2#





#32

1,1,1-Trichloroethane

Concen: 2.858 ug/l

RT: 4.92 min Scan# 1166

Delta R.T. 0.00 min

Lab File: VU027107.D

Acq: 24 Sep 2018 14:35

Instrument :

MSVOA_U

ClientSampleId :

FT-MW09I-20180917

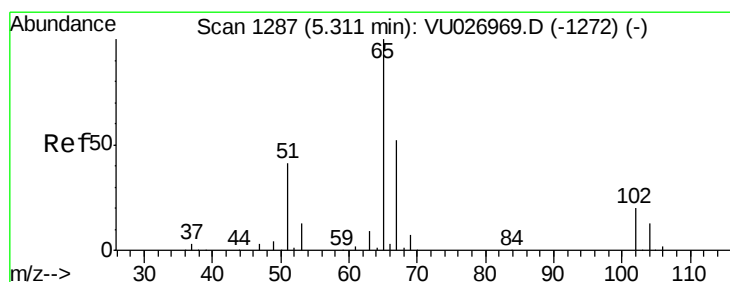
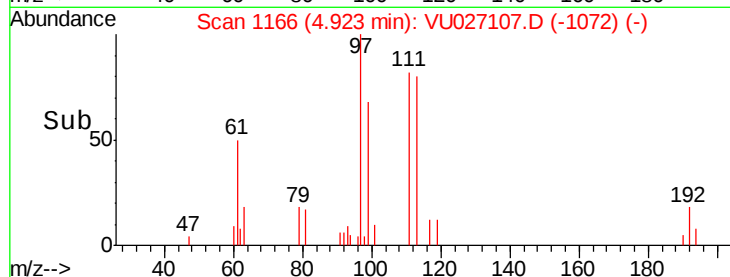
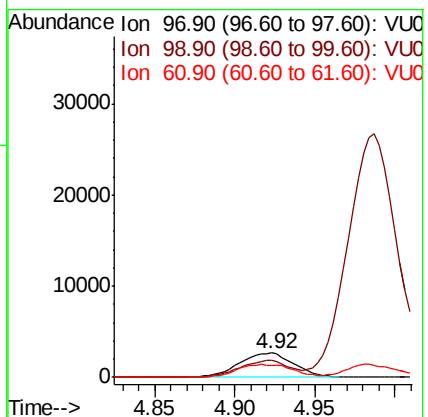
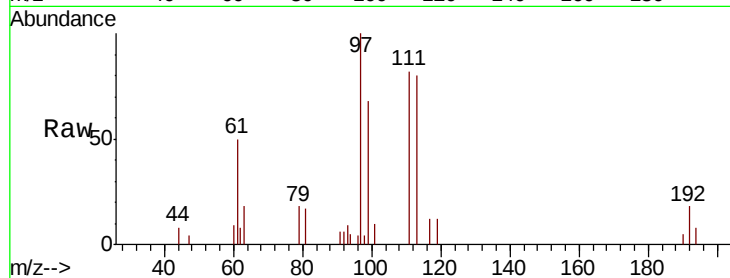
Tgt Ion: 97 Resp: 6324

Ion Ratio Lower Upper

97 100

99 63.2 51.8 77.6

61 54.5 41.1 61.7



#33

1,2-Dichloroethane-d4

Concen: 51.592 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027107.D

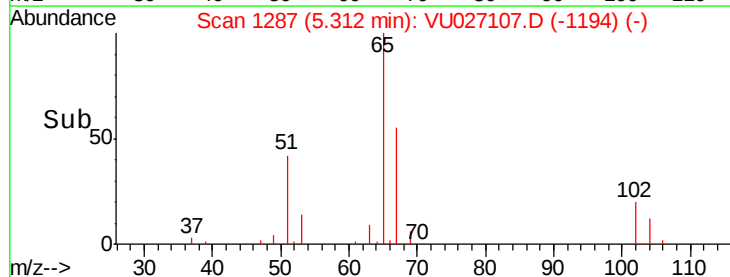
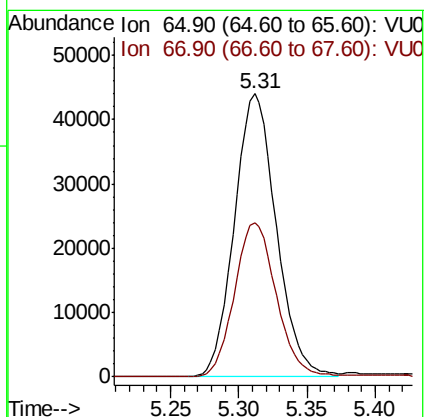
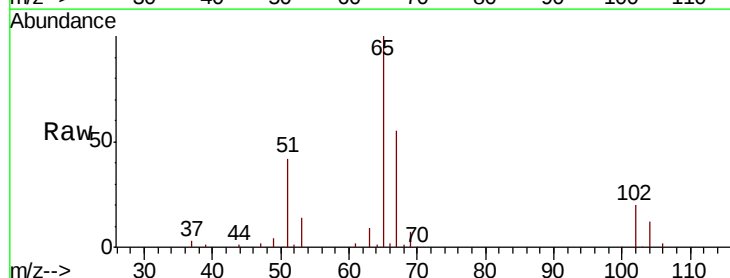
Acq: 24 Sep 2018 14:35

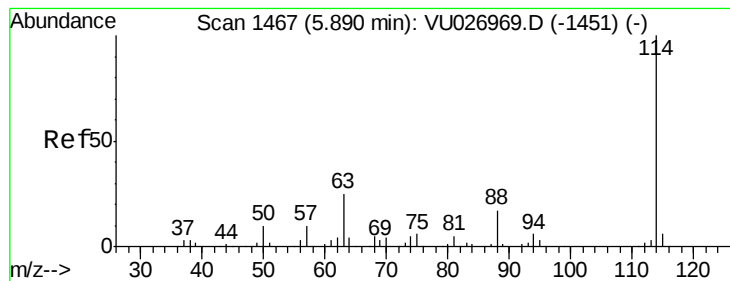
Tgt Ion: 65 Resp: 93960

Ion Ratio Lower Upper

65 100

67 54.9 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: VU027107.D

Acq: 24 Sep 2018 14:35

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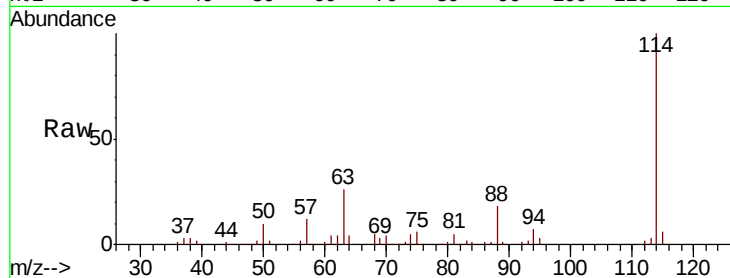
Tgt Ion:114 Resp: 151726

Ion Ratio Lower Upper

114 100

63 25.8 0.0 49.2

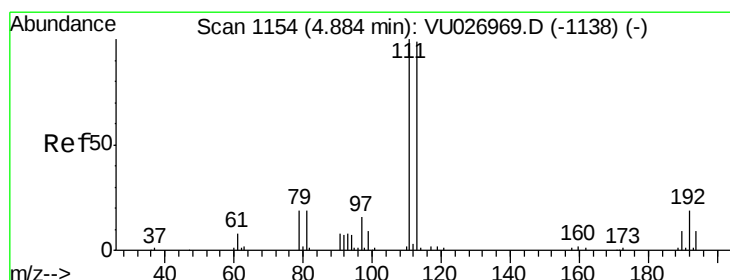
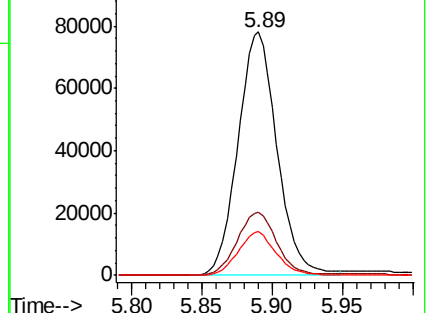
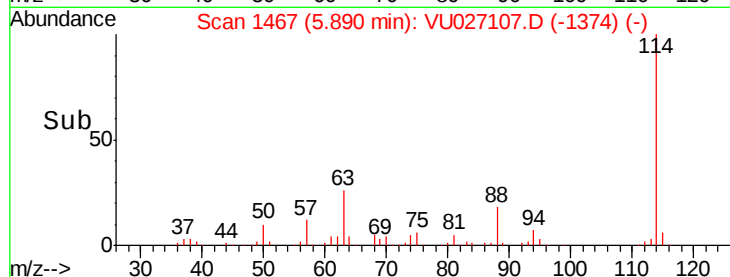
88 17.9 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 49.696 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027107.D

Acq: 24 Sep 2018 14:35

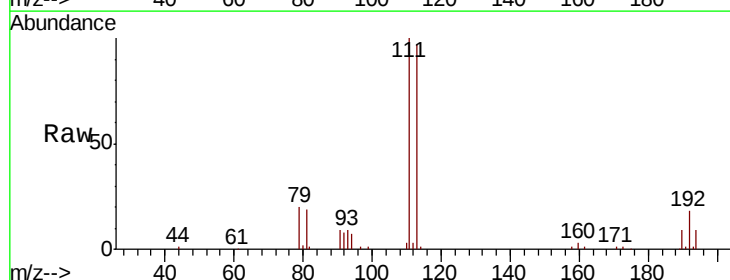
Tgt Ion:113 Resp: 65359

Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.4

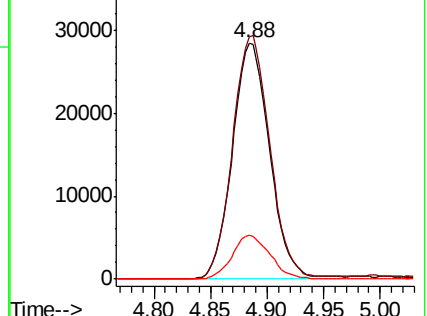
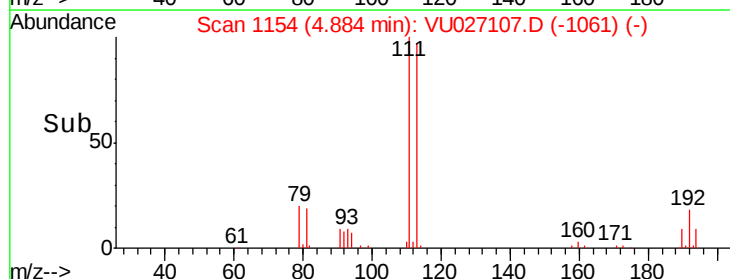
192 18.6 15.2 22.8

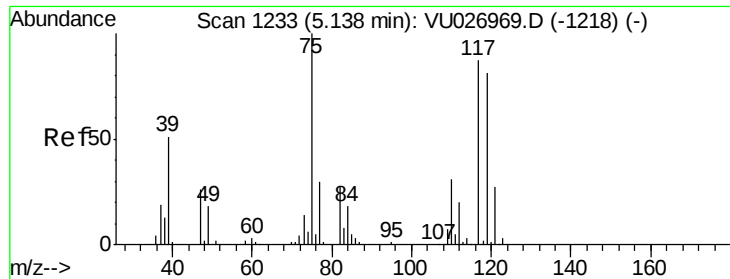


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

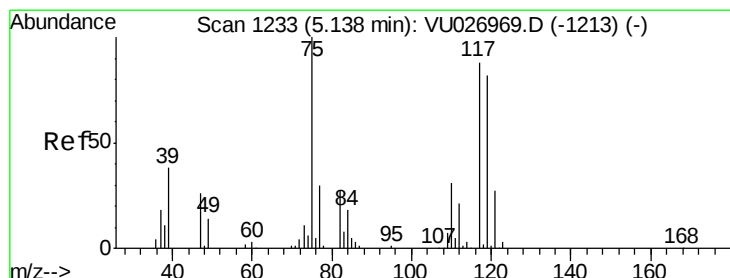
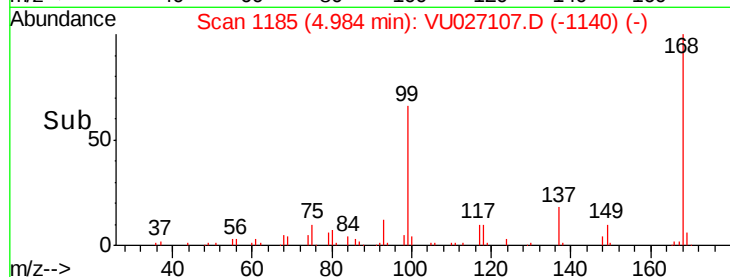
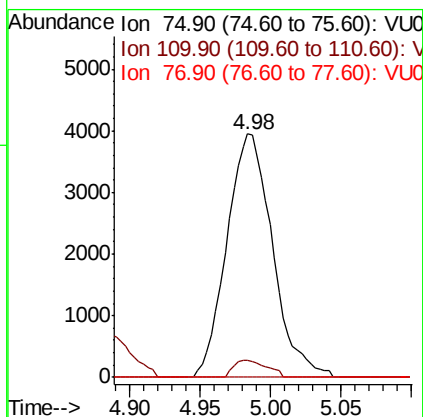
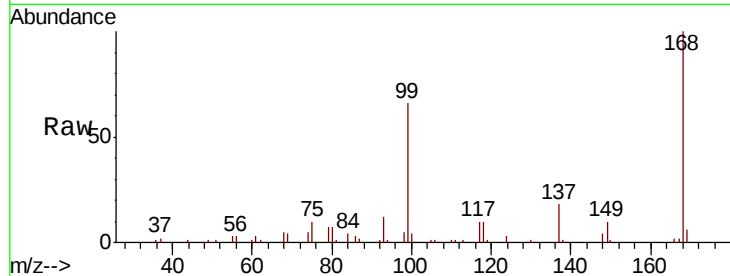




#36
 1,1-Dichloropropene
 Concen: 4.404 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027107.D
 Acq: 24 Sep 2018 14:35

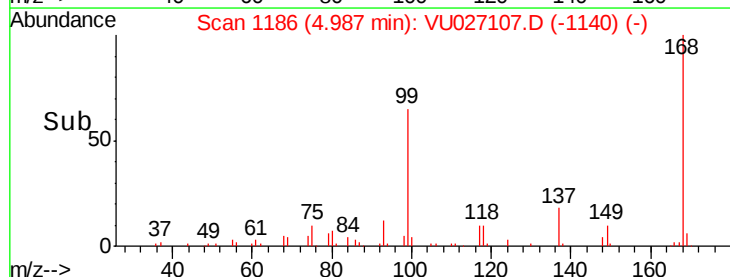
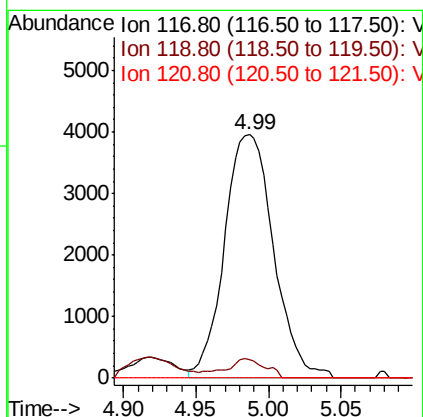
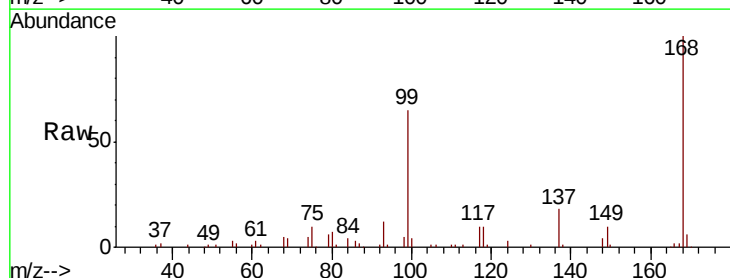
Instrument :
 MSVOA_U
 ClientSampleId :
 FT-MW09I-20180917

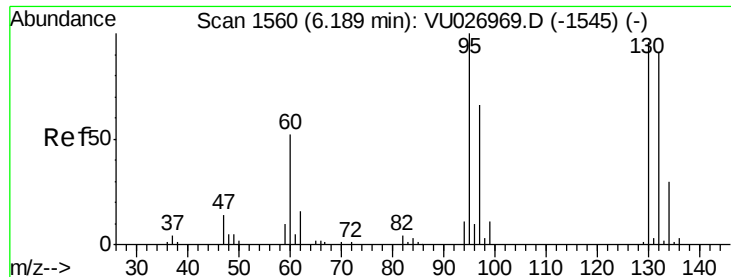
Tgt Ion: 75 Resp: 8918
 Ion Ratio Lower Upper
 75 100
 110 5.2 16.1 48.2#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 4.832 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027107.D
 Acq: 24 Sep 2018 14:35

Tgt Ion: 117 Resp: 9312
 Ion Ratio Lower Upper
 117 100
 119 7.8 74.4 111.6#
 121 0.0 24.2 36.4#





#44

Trichloroethene

Concen: 0.909 ug/l

RT: 6.19 min Scan# 1561

Delta R.T. 0.00 min

Lab File: VU027107.D

Acq: 24 Sep 2018 14:35

Instrument :

MSVOA_U

ClientSampleId :

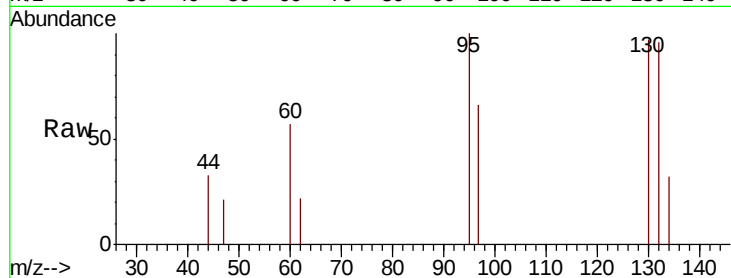
FT-MW09I-20180917

Tgt Ion:130 Resp: 1191

Ion Ratio Lower Upper

130 100

95 103.5 0.0 208.8



Abundance Ion 129.80 (129.50 to 130.50): VU027107.D (-1467) (-)

Ion 94.90 (94.60 to 95.60): VU027107.D (-1467) (-)

6.19

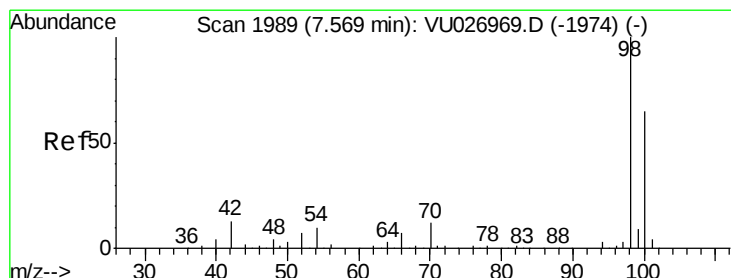
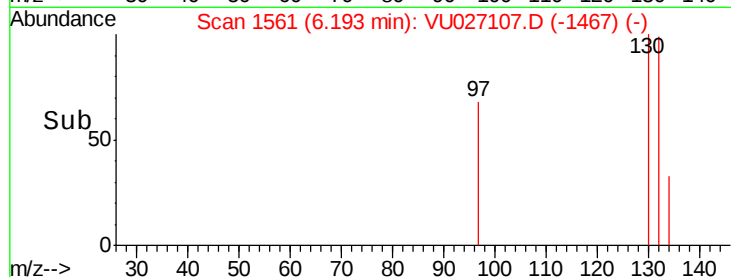
400

200

0

6.15 6.20 6.25

Time-->



#50

Toluene-d8

Concen: 49.116 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU027107.D

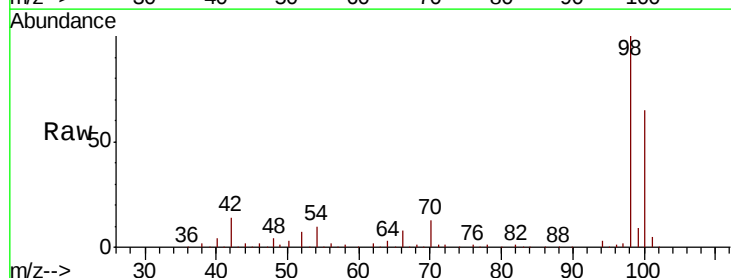
Acq: 24 Sep 2018 14:35

Tgt Ion: 98 Resp: 246175

Ion Ratio Lower Upper

98 100

100 64.0 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU027107.D (-1896) (-)

Ion 100.00 (99.70 to 100.70): VU027107.D (-1896) (-)

7.57

150000

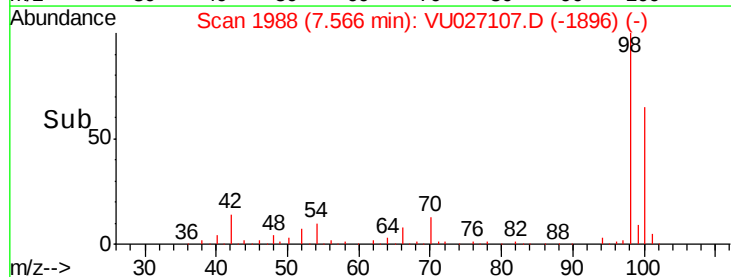
100000

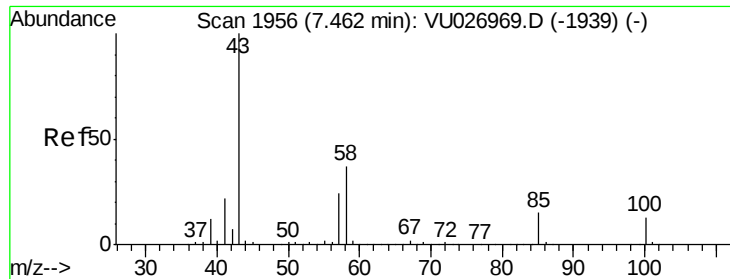
50000

0

7.50 7.60 7.70

Time-->

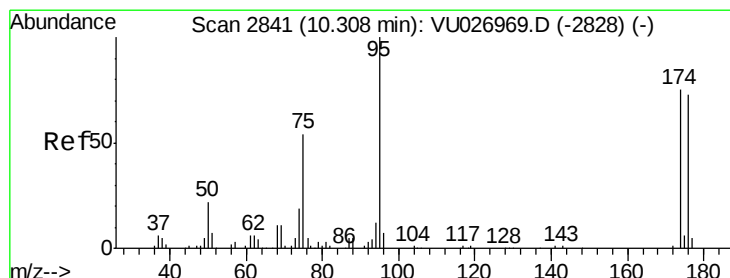
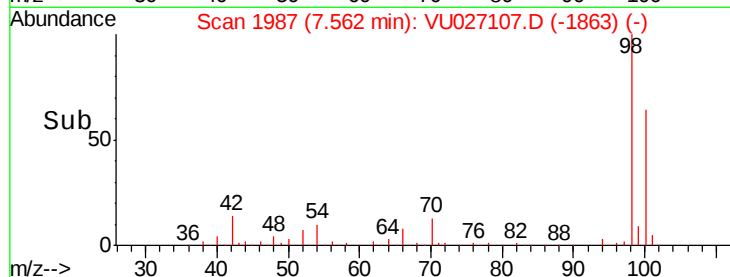
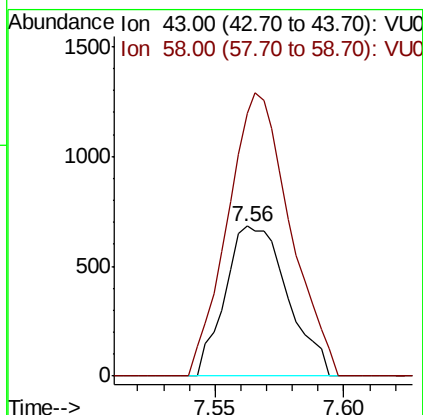
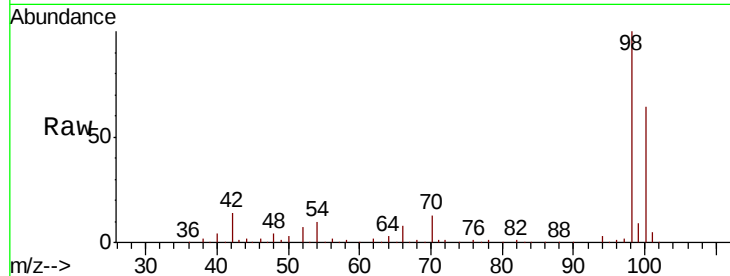




#51
 4-Methyl-2-Pentanone
 Concen: 0.427 ug/l
 RT: 7.56 min Scan# 1987
 Delta R.T. 0.10 min
 Lab File: VU027107.D
 Acq: 24 Sep 2018 14:35

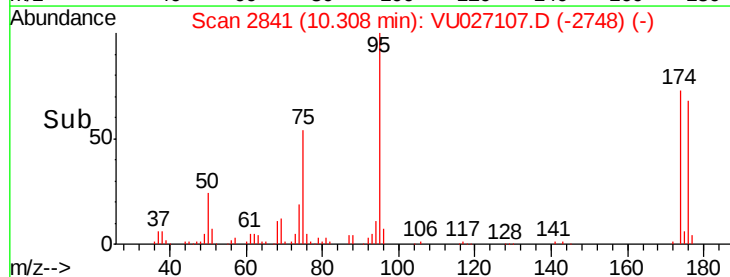
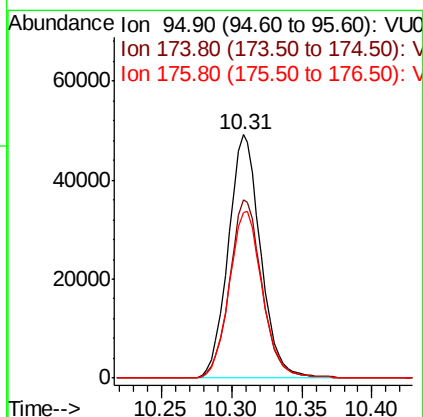
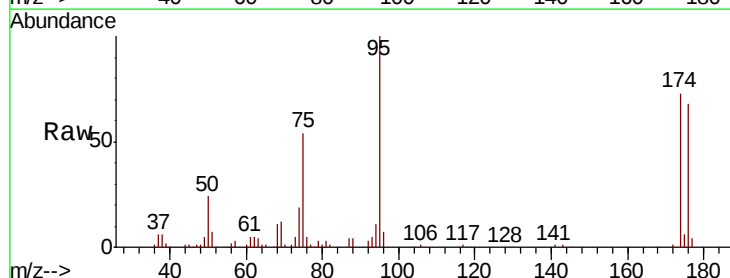
Instrument :
 MSVOA_U
 ClientSampleId :
 FT-MW09I-20180917

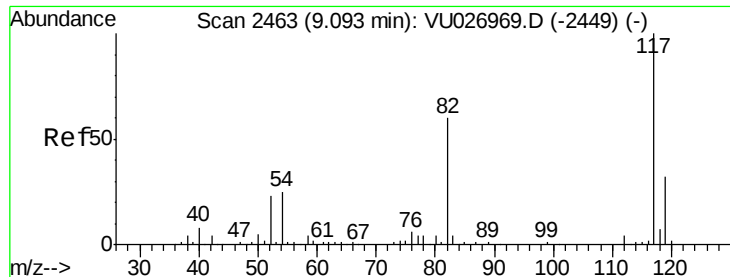
Tgt Ion: 43 Resp: 1148
 Ion Ratio Lower Upper
 43 100
 58 189.6 29.8 44.6#



#62
 4-Bromofluorobenzene
 Concen: 45.904 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027107.D
 Acq: 24 Sep 2018 14:35

Tgt Ion: 95 Resp: 78947
 Ion Ratio Lower Upper
 95 100
 174 73.4 0.0 150.2
 176 70.3 0.0 145.2

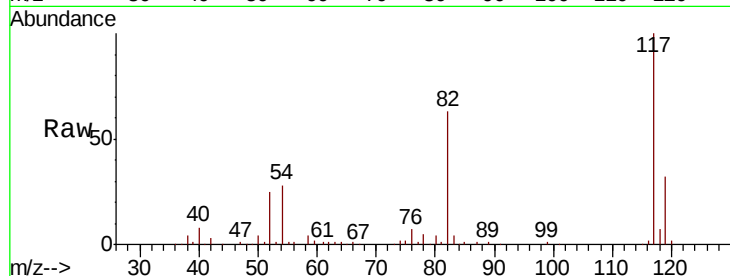




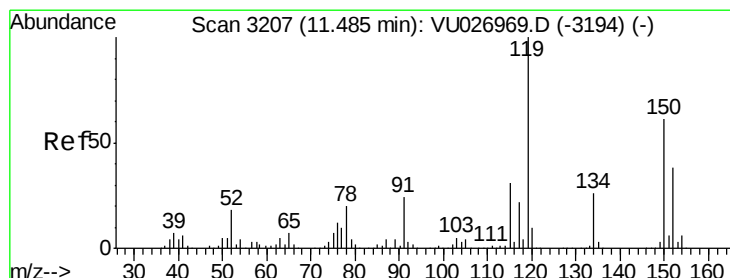
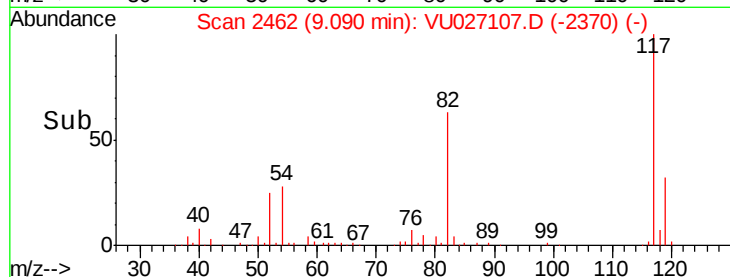
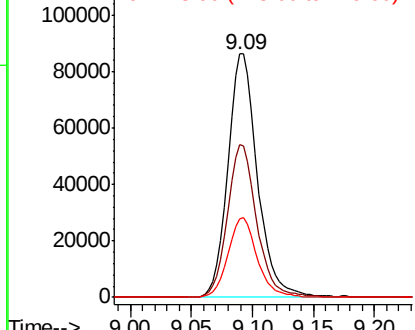
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027107.D
Acq: 24 Sep 2018 14:35

Instrument :
MSVOA_U
ClientSampleId :
FT-MW09I-20180917

Tgt Ion:117 Resp: 146490
Ion Ratio Lower Upper
117 100
82 62.6 48.0 72.0
119 32.1 25.8 38.8

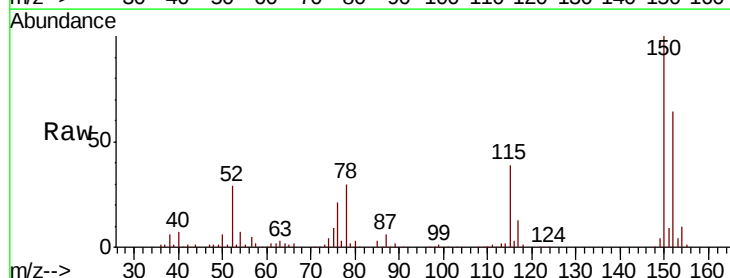


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

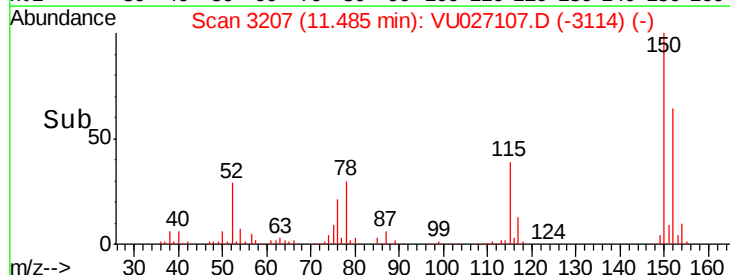
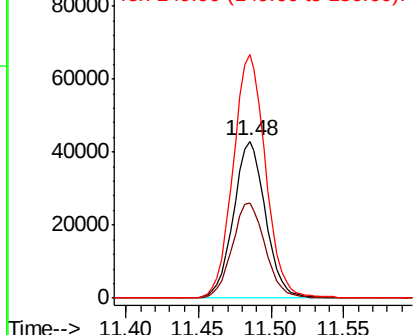


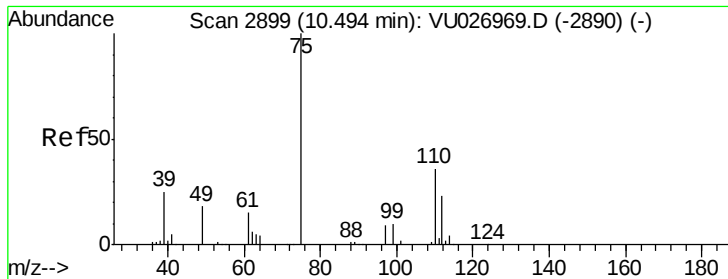
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027107.D
Acq: 24 Sep 2018 14:35

Tgt Ion:152 Resp: 65830
Ion Ratio Lower Upper
152 100
115 62.6 44.9 134.5
150 158.2 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: 21.539 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027107.D

Acq: 24 Sep 2018 14:35

Instrument :

MSVOA_U

ClientSampleId :

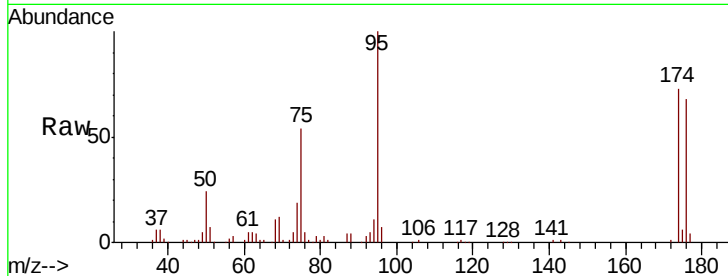
FT-MW09I-20180917

Tgt Ion: 75 Resp: 43076

Ion Ratio Lower Upper

75 100

77 1.1 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.31

25000

20000

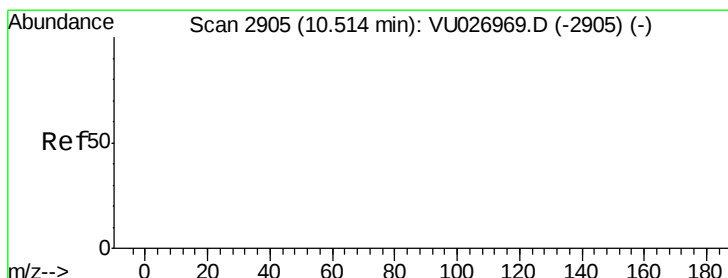
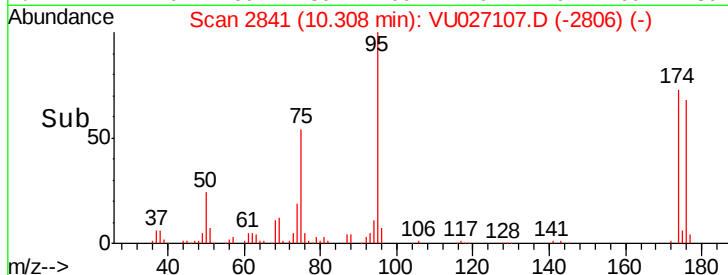
15000

10000

5000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 68.929 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027107.D

Acq: 24 Sep 2018 14:35

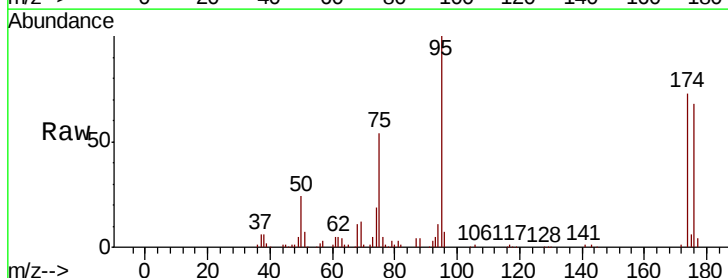
Tgt Ion: 75 Resp: 43076

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

10.31

30000

20000

10000

0

Time-->

