

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092618\
 Data File : VU027169.D
 Acq On : 26 Sep 2018 11:56
 Operator : MD/SY
 Sample : J5032-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-18-092018

Quant Time: Sep 27 01:05:46 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

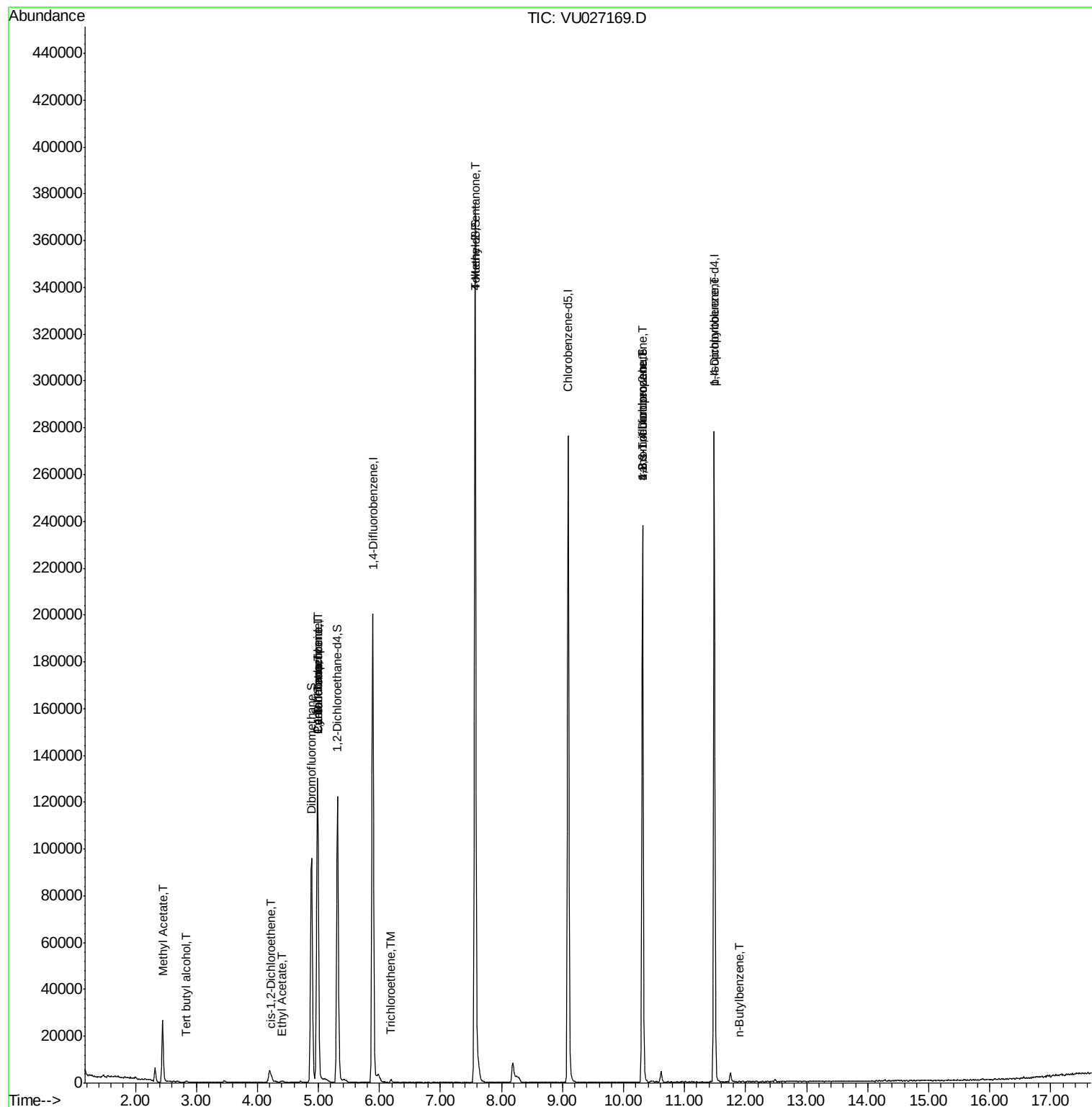
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	90138	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	153869	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	146580	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	66361	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	95914	52.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.74%	
35) Dibromofluoromethane	4.88	113	65364	49.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.02%	
50) Toluene-d8	7.57	98	247221	48.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.28%	
62) 4-Bromofluorobenzene	10.31	95	79925	45.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.66%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.83	59	445	1.070 ug/l #		72
16) Acetone	2.32	43	6491	Below Cal		96
18) Methyl Acetate	2.45	43	6709	2.598 ug/l #		55
27) cis-1,2-Dichloroethene	4.23	96	815	0.543 ug/l		54
31) Cyclohexane	4.98	56	2404	0.318 ug/l #		5
36) 1,1-Dichloropropene	4.99	75	8778	4.275 ug/l #		49
37) Ethyl Acetate	4.40	43	1444	0.519 ug/l #		70
38) Carbon Tetrachloride	4.99	117	9700	4.964 ug/l #		18
44) Trichloroethene	6.19	130	512	0.385 ug/l		98
51) 4-Methyl-2-Pentanone	7.57	43	1237	0.454 ug/l #		1
76) 1,2,3-Trichloropropane	10.31	75	44180	21.914 ug/l #		35
81) trans-1,4-Dichloro-2-buten	10.31	75	44180	70.130 ug/l #		100
86) p-Isopropyltoluene	11.48	119	41	0.936 ug/l #		1
89) n-Butylbenzene	11.89	91	20	2.397 ug/l #		33

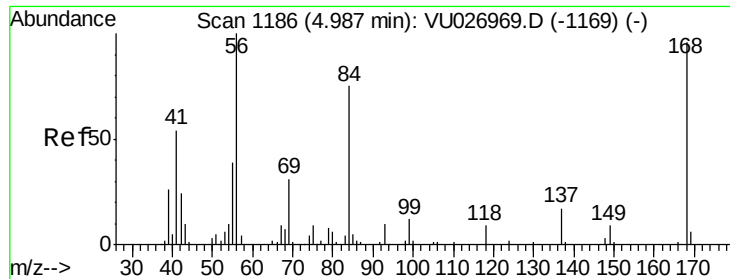
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027169.D

Acq: 26 Sep 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

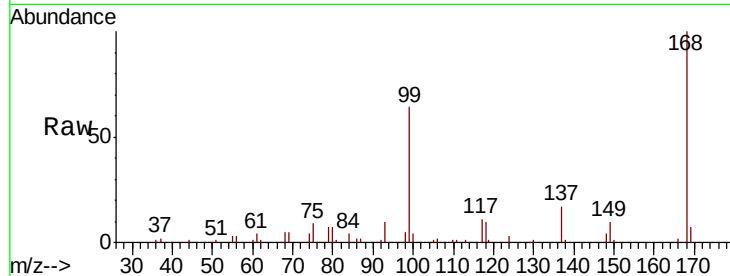
MW-18-092018

Tgt Ion:168 Resp: 90138

Ion Ratio Lower Upper

168 100

99 64.4 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VU027169.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027169.D (-1169) (-)

4.99

40000

30000

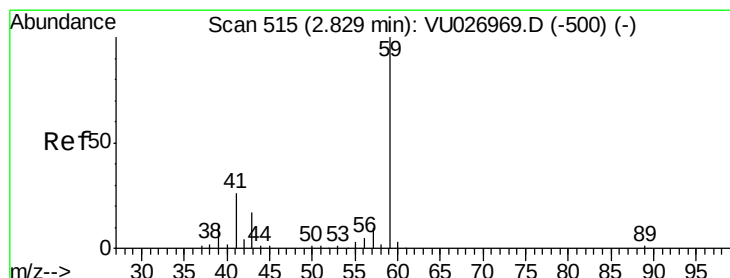
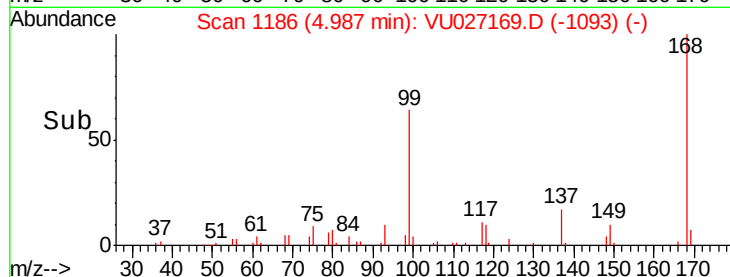
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#11

Tert butyl alcohol

Concen: 1.070 ug/l

RT: 2.83 min Scan# 514

Delta R.T. -0.00 min

Lab File: VU027169.D

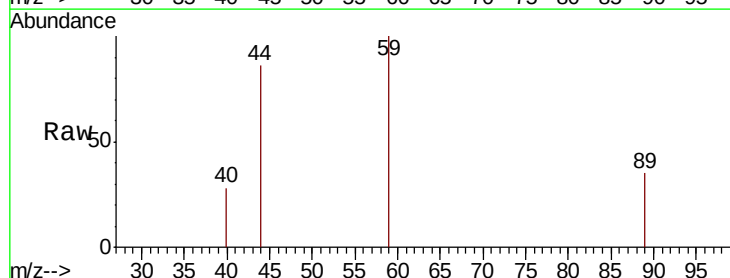
Acq: 26 Sep 2018 11:56

Tgt Ion: 59 Resp: 445

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU027169.D (-500) (-)

Ion 57.00 (56.70 to 57.70): VU027169.D (-500) (-)

2.83

400

300

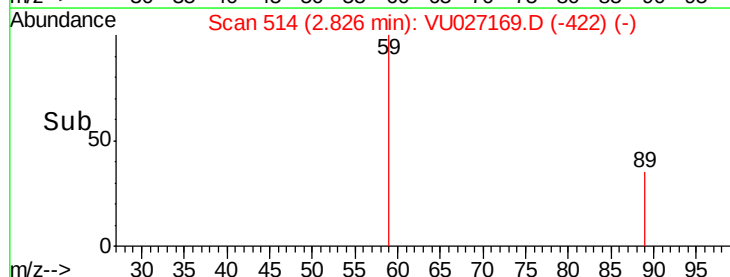
200

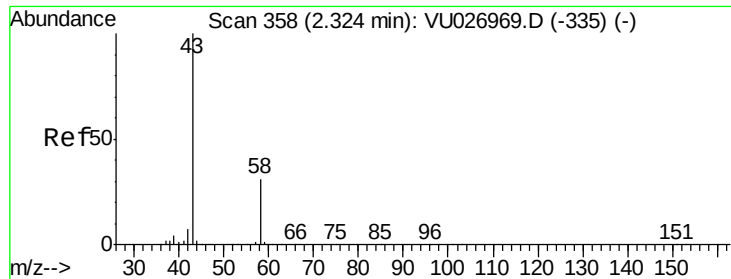
100

0

2.80 2.81 2.82 2.83 2.84

Time-->





#16

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027169.D

Acq: 26 Sep 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

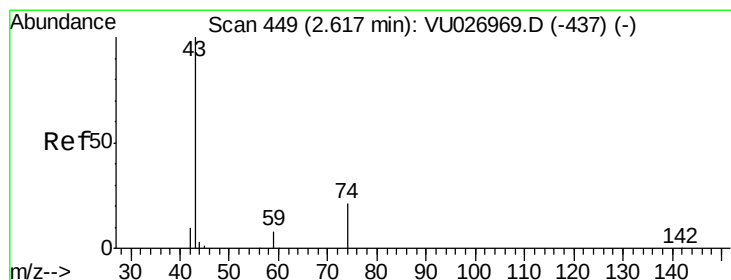
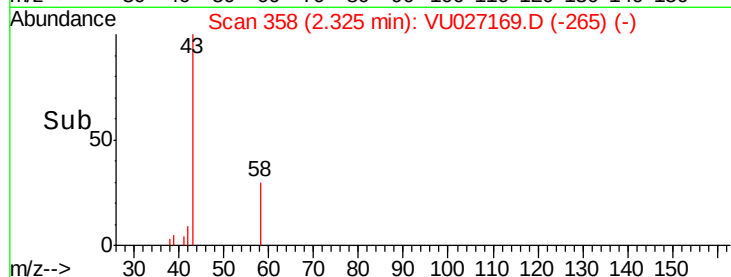
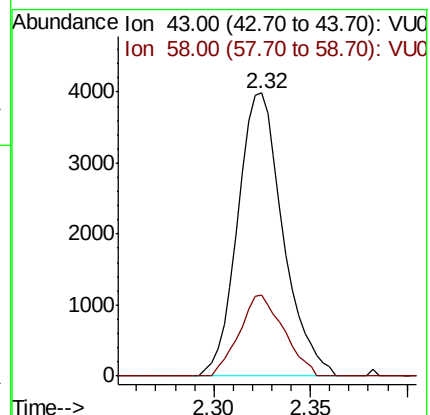
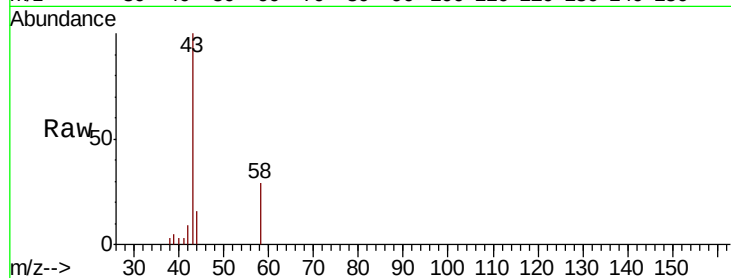
MW-18-092018

Tgt Ion: 43 Resp: 6491

Ion Ratio Lower Upper

43 100

58 28.7 24.6 36.8



#18

Methyl Acetate

Concen: 2.598 ug/l

RT: 2.45 min Scan# 396

Delta R.T. -0.17 min

Lab File: VU027169.D

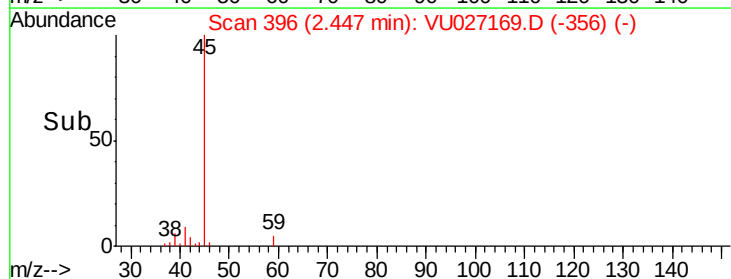
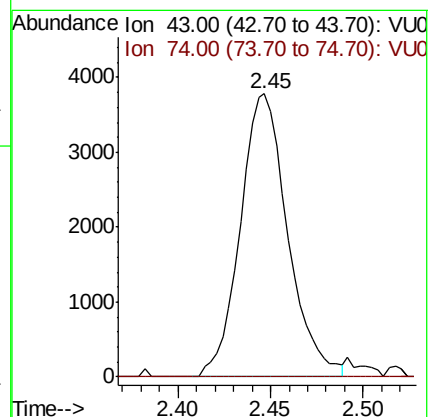
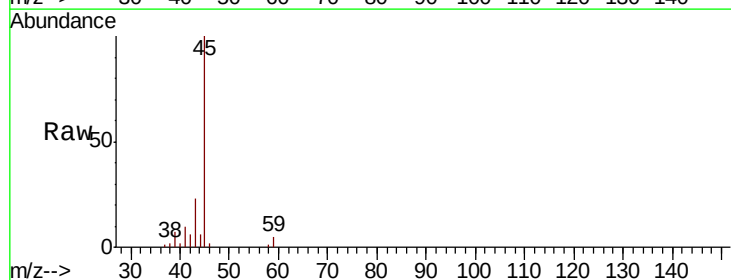
Acq: 26 Sep 2018 11:56

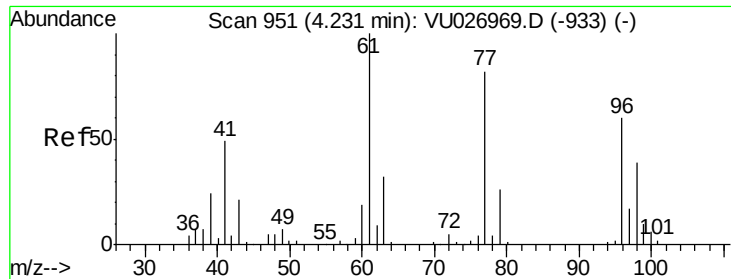
Tgt Ion: 43 Resp: 6709

Ion Ratio Lower Upper

43 100

74 0.0 16.6 25.0#



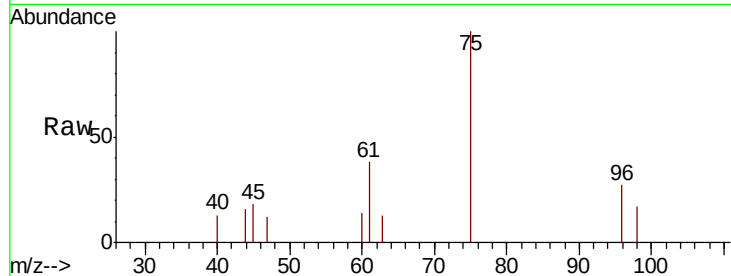


#27

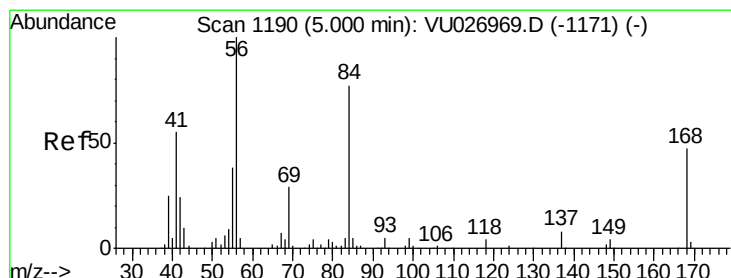
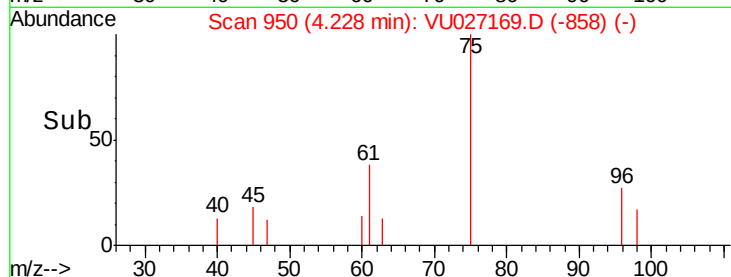
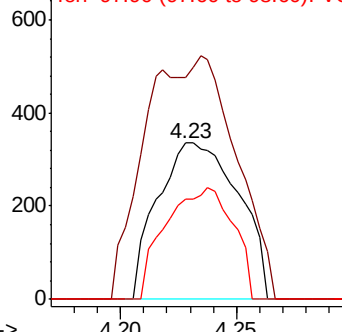
cis-1,2-Dichloroethene
 Concen: 0.543 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027169.D
 Acq: 26 Sep 2018 11:56

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-18-092018

Tgt Ion: 96 Resp: 815
 Ion Ratio Lower Upper
 96 100
 61 85.5 0.0 337.2
 98 59.5 0.0 127.6



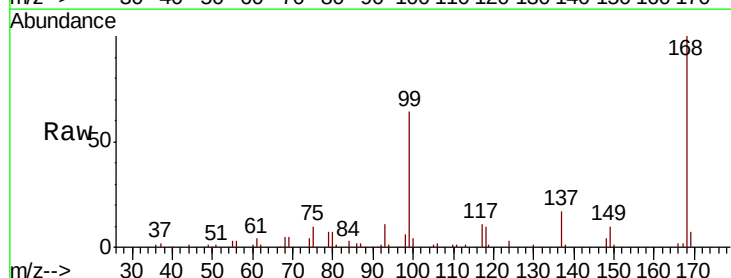
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



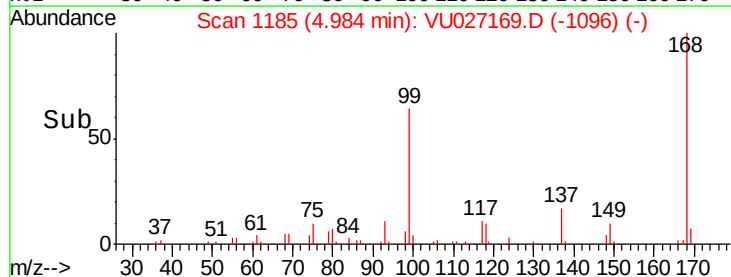
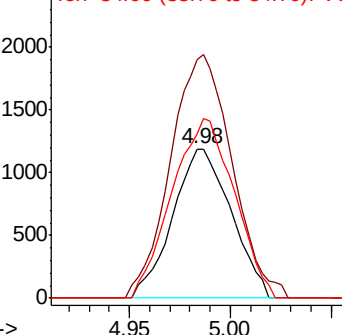
#31

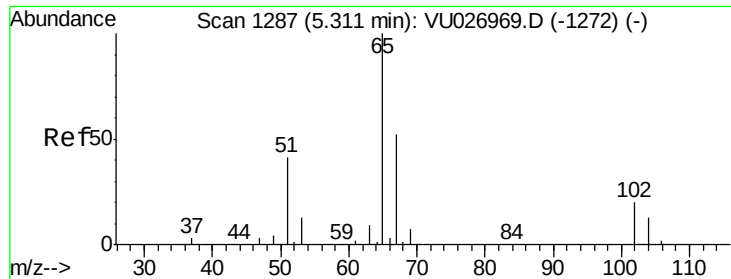
Cyclohexane
 Concen: 0.318 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: VU027169.D
 Acq: 26 Sep 2018 11:56

Tgt Ion: 56 Resp: 2404
 Ion Ratio Lower Upper
 56 100
 69 159.7 23.0 34.4#
 84 109.7 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

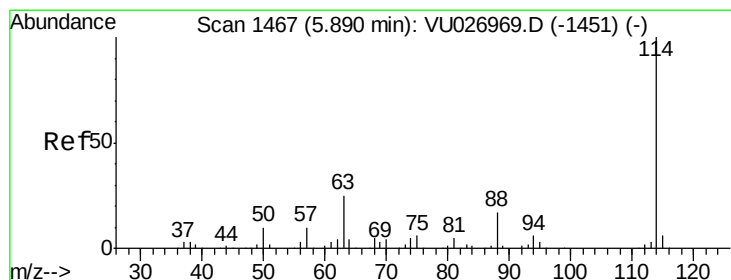
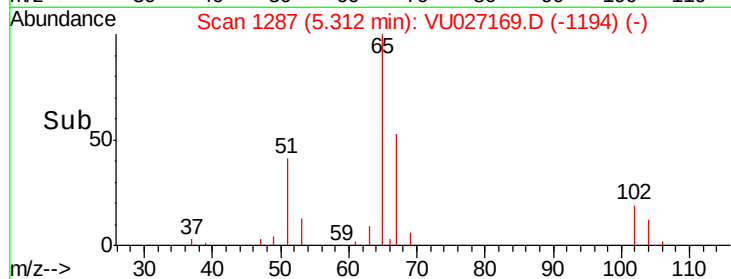
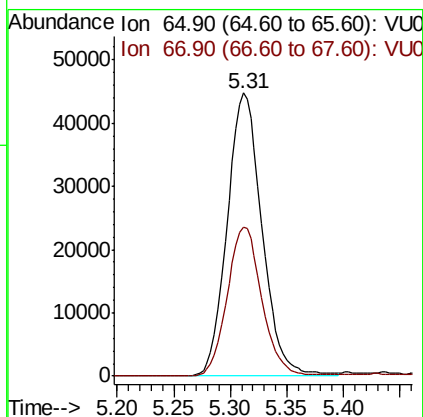
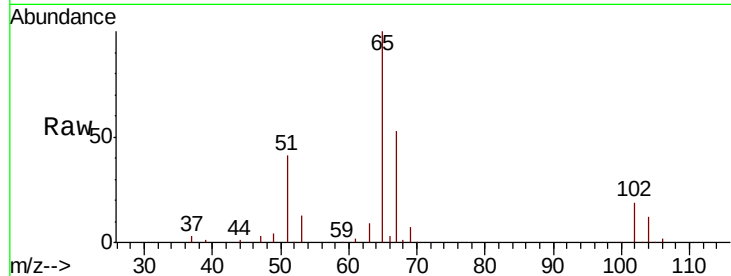




#33
 1,2-Dichloroethane-d4
 Concen: 52.869 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027169.D
 Acq: 26 Sep 2018 11:56

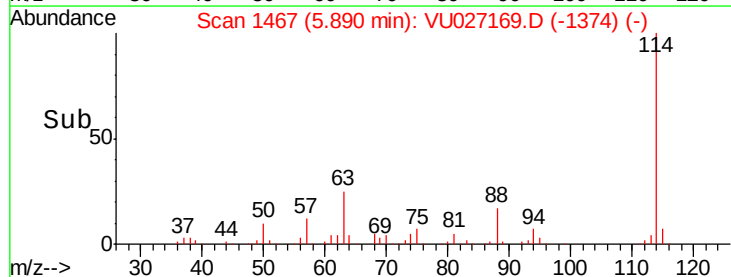
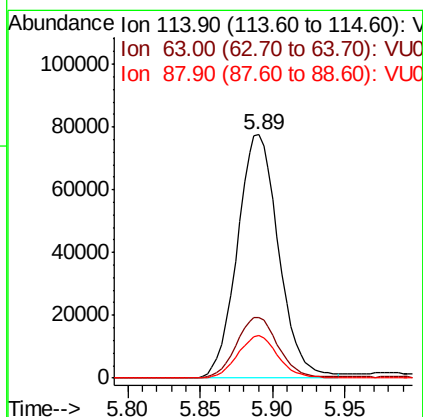
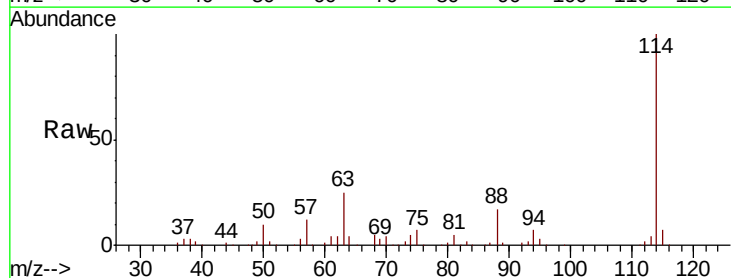
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-18-092018

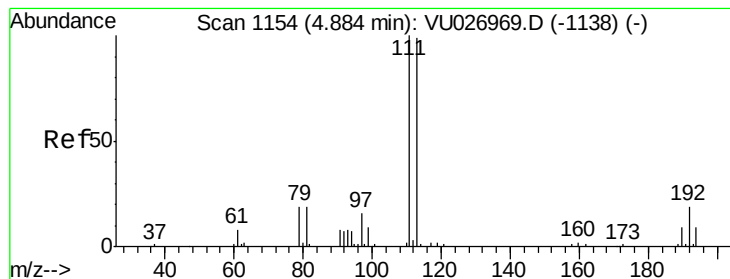
Tgt Ion: 65 Resp: 95914
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027169.D
 Acq: 26 Sep 2018 11:56

Tgt Ion: 114 Resp: 153869
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 49.2
 88 17.3 0.0 33.8





#35

Dibromofluoromethane

Concen: 49.008 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027169.D

Acq: 26 Sep 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

MW-18-092018

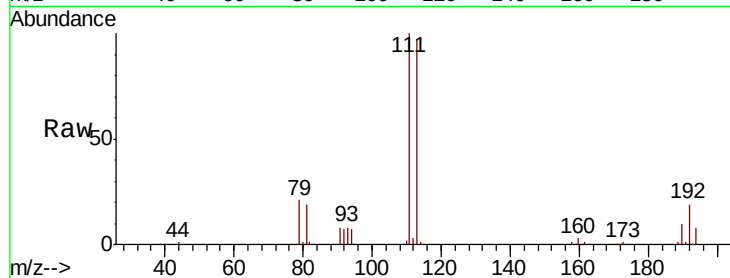
Tgt Ion:113 Resp: 65364

Ion Ratio Lower Upper

113 100

111 104.2 82.2 123.4

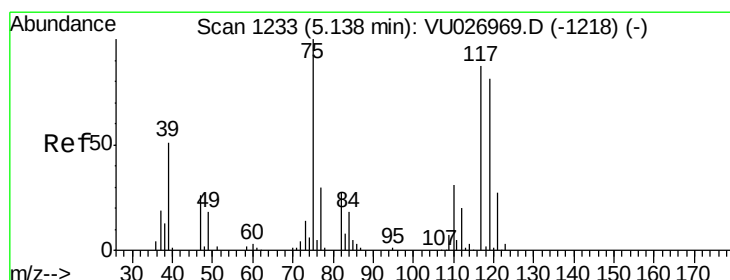
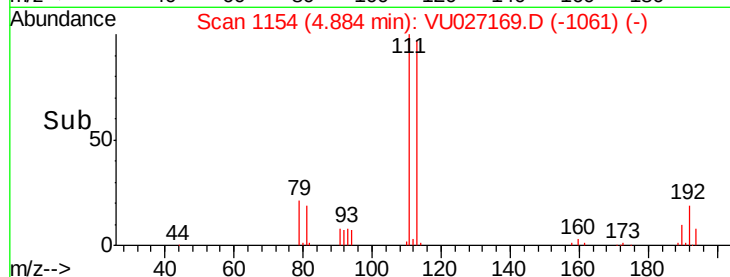
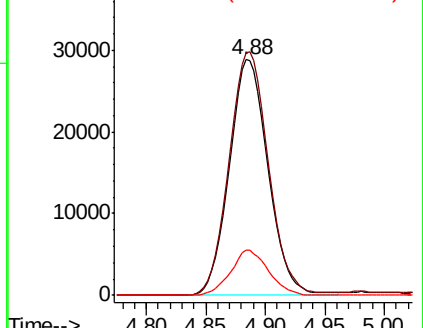
192 18.6 15.2 22.8



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: 4.275 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027169.D

Acq: 26 Sep 2018 11:56

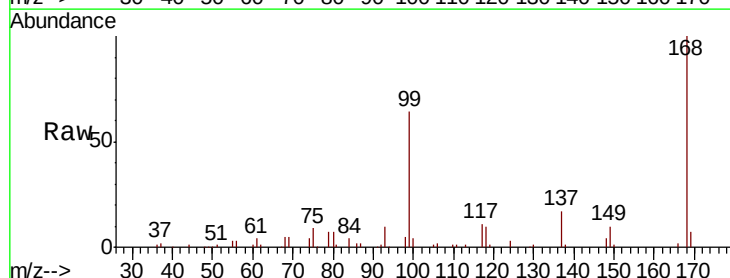
Tgt Ion: 75 Resp: 8778

Ion Ratio Lower Upper

75 100

110 6.5 16.1 48.2#

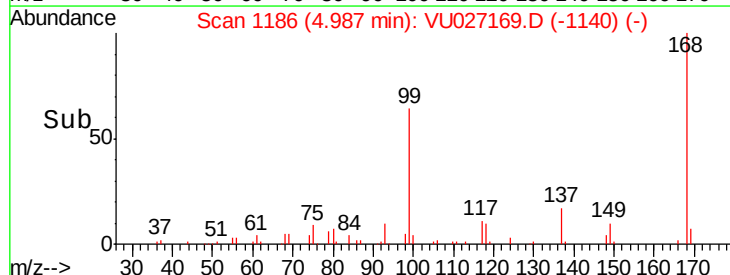
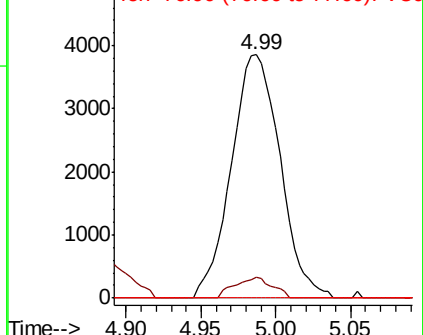
77 0.0 24.6 36.8#

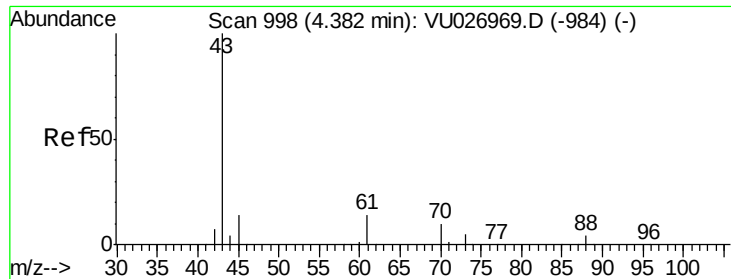


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 0.519 ug/l

RT: 4.40 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VU027169.D

Acq: 26 Sep 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

MW-18-092018

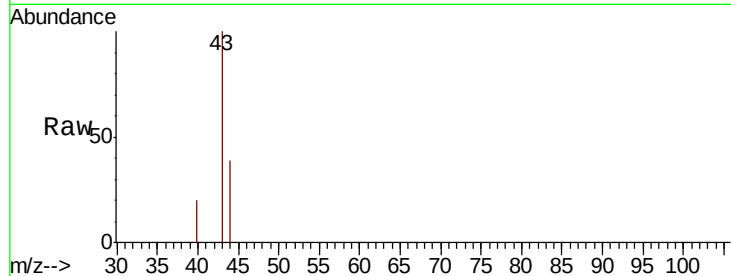
Tgt Ion: 43 Resp: 1444

Ion Ratio Lower Upper

43 100

61 0.0 10.5 15.7#

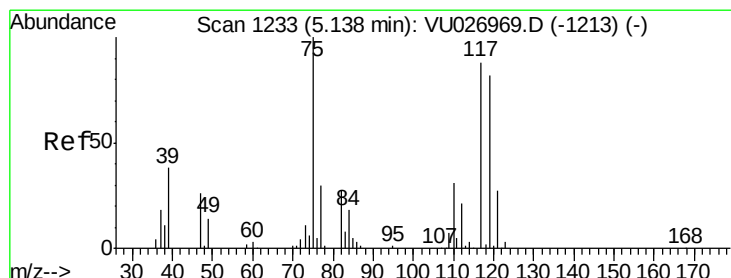
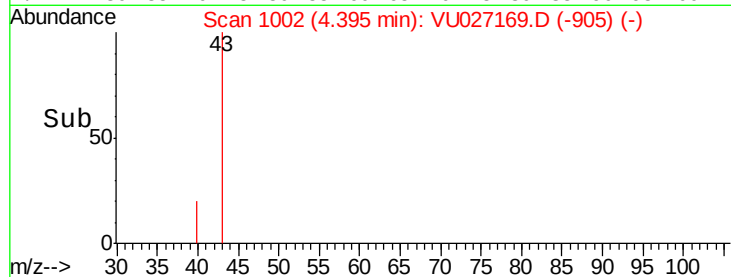
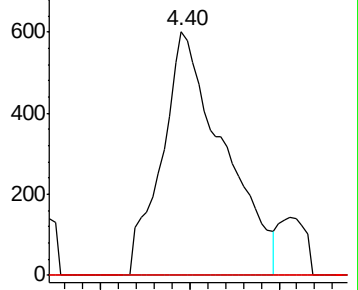
70 0.0 7.4 11.0#



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-984) (-)

Ion 60.90 (60.60 to 61.60): VU026969.D (-984) (-)

Ion 70.00 (69.70 to 70.70): VU026969.D (-984) (-)



#38

Carbon Tetrachloride

Concen: 4.964 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027169.D

Acq: 26 Sep 2018 11:56

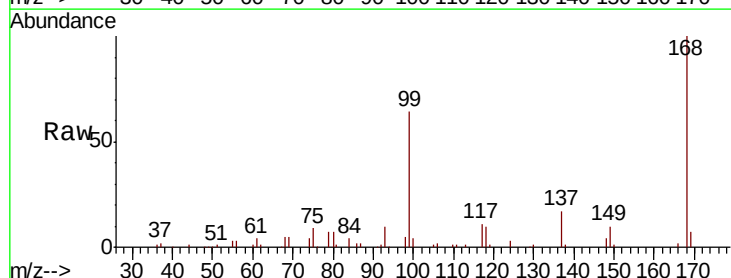
Tgt Ion: 117 Resp: 9700

Ion Ratio Lower Upper

117 100

119 5.5 74.4 111.6#

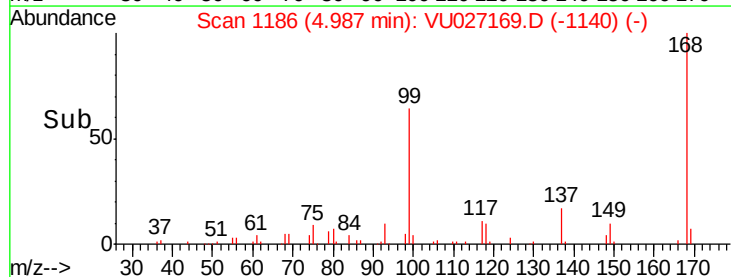
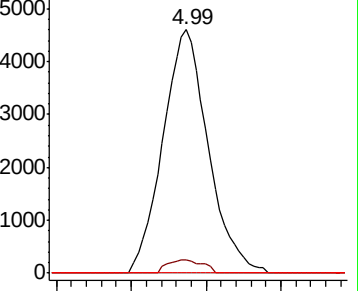
121 0.0 24.2 36.4#

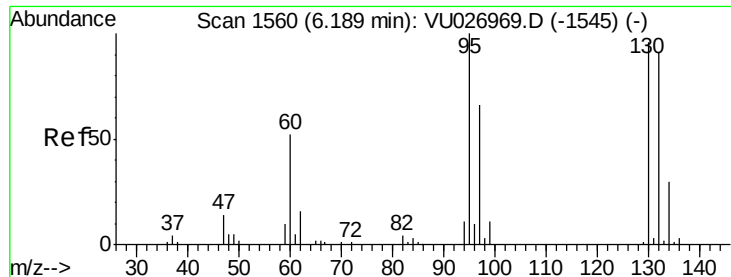


Abundance Ion 116.80 (116.50 to 117.50): VU026969.D (-1213) (-)

Ion 118.80 (118.50 to 119.50): VU026969.D (-1213) (-)

Ion 120.80 (120.50 to 121.50): VU026969.D (-1213) (-)





#44

Trichloroethene

Concen: 0.385 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027169.D

Acq: 26 Sep 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

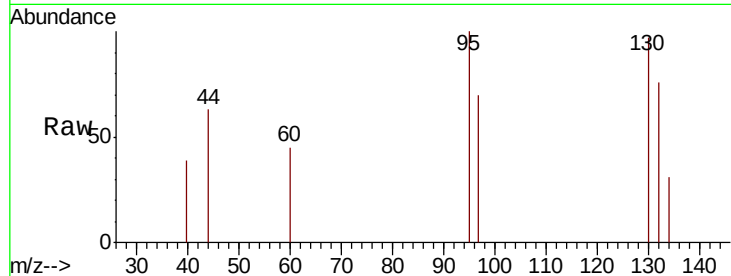
MW-18-092018

Tgt Ion:130 Resp: 512

Ion Ratio Lower Upper

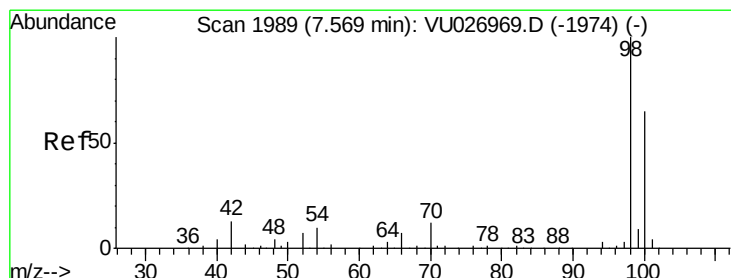
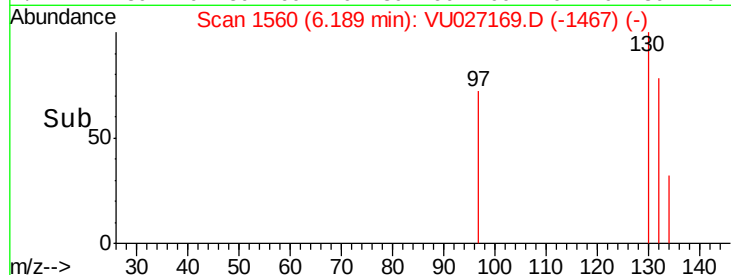
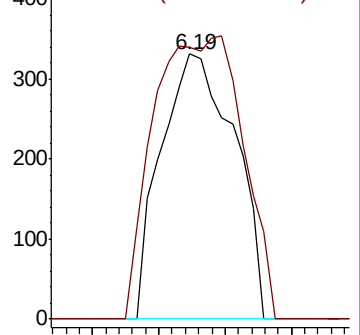
130 100

95 102.7 0.0 208.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0



#50

Toluene-d8

Concen: 48.637 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027169.D

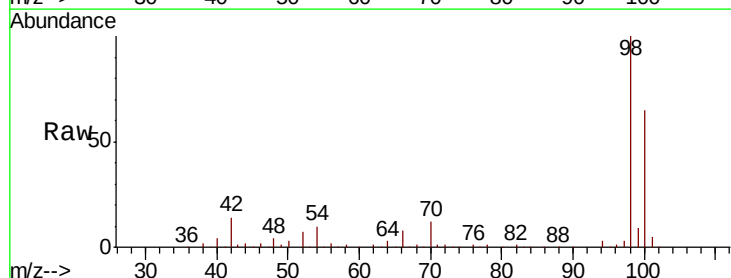
Acq: 26 Sep 2018 11:56

Tgt Ion: 98 Resp: 247221

Ion Ratio Lower Upper

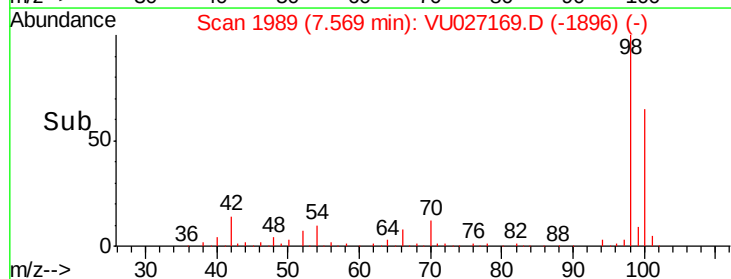
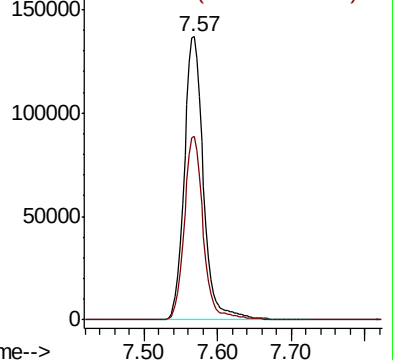
98 100

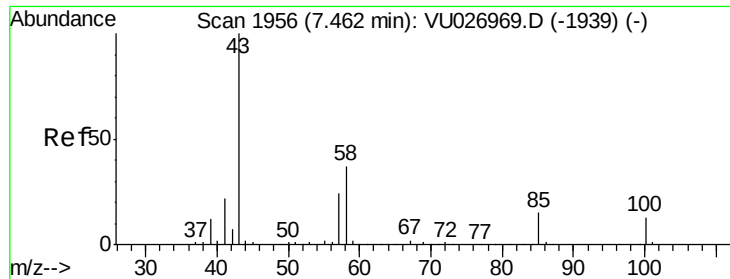
100 64.1 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

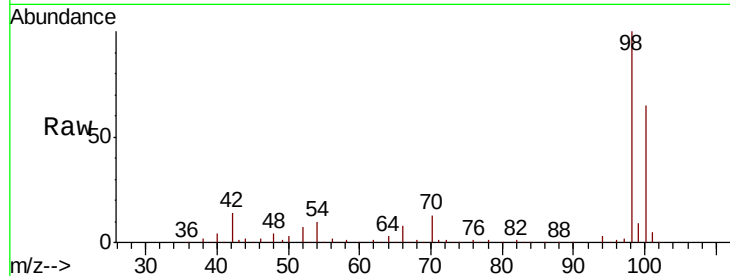




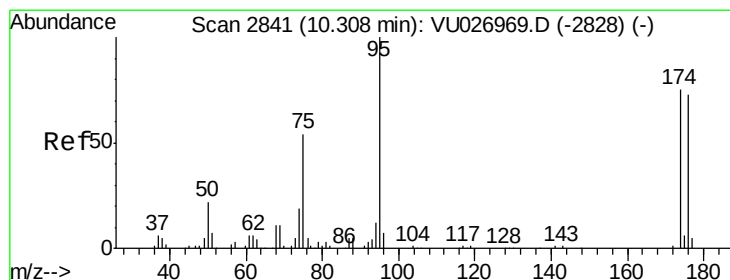
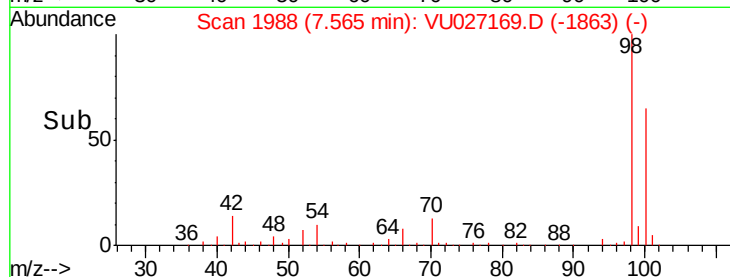
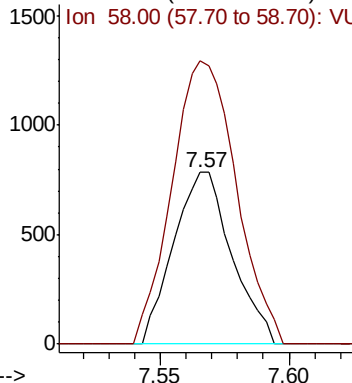
#51
 4-Methyl-2-Pentanone
 Concen: 0.454 ug/l
 RT: 7.57 min Scan# 1988
 Delta R.T. 0.10 min
 Lab File: VU027169.D
 Acq: 26 Sep 2018 11:56

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-18-092018

Tgt Ion: 43 Resp: 1237
 Ion Ratio Lower Upper
 43 100
 58 182.1 29.8 44.6#

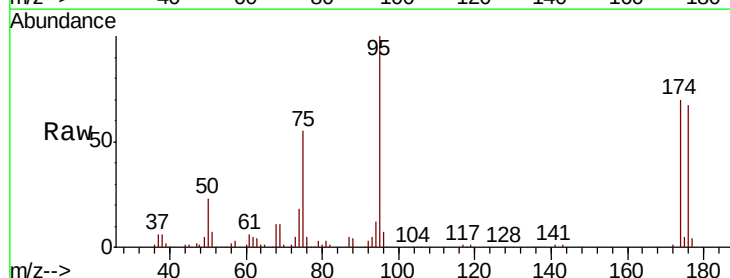


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0

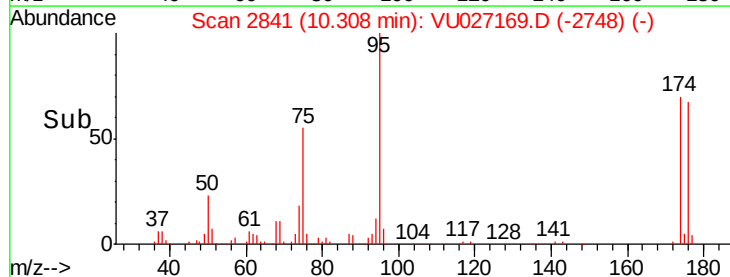
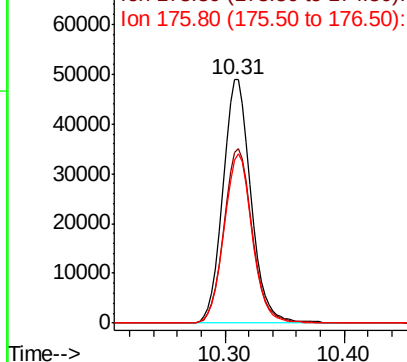


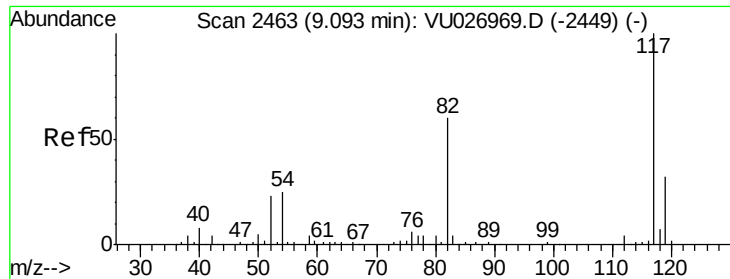
#62
 4-Bromofluorobenzene
 Concen: 45.826 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027169.D
 Acq: 26 Sep 2018 11:56

Tgt Ion: 95 Resp: 79925
 Ion Ratio Lower Upper
 95 100
 174 72.6 0.0 150.2
 176 69.6 0.0 145.2



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

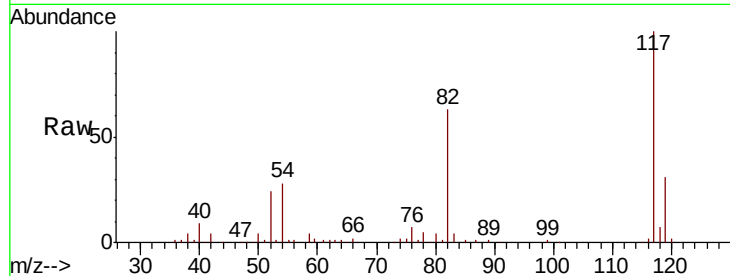




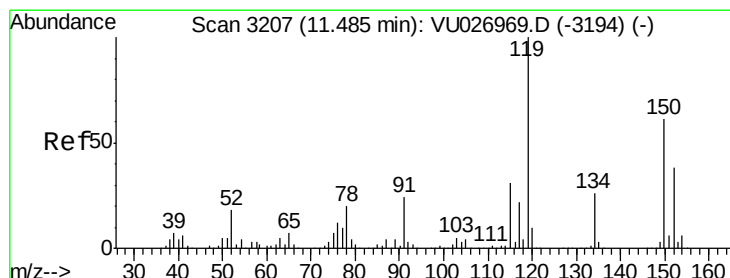
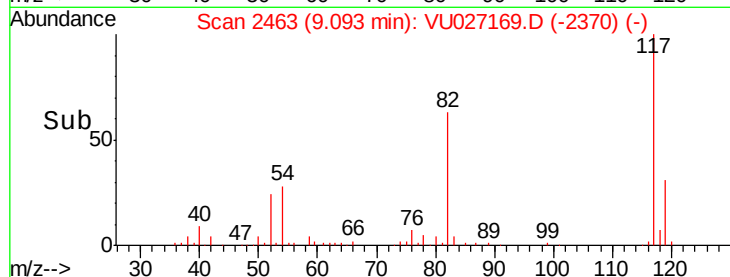
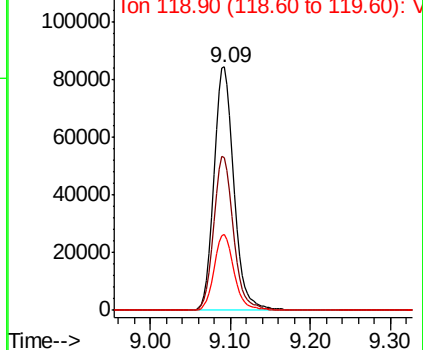
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027169.D
Acq: 26 Sep 2018 11:56

Instrument :
MSVOA_U
ClientSampleId :
MW-18-092018

Tgt Ion:117 Resp: 146580
Ion Ratio Lower Upper
117 100
82 62.7 48.0 72.0
119 31.3 25.8 38.8

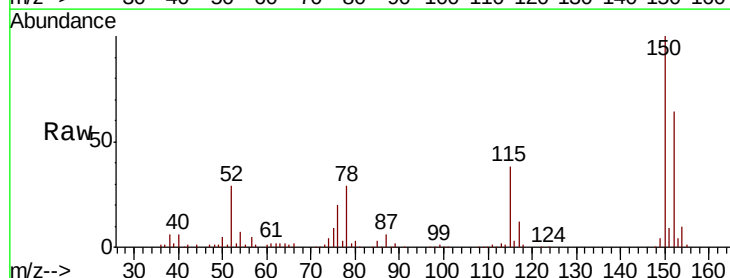


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

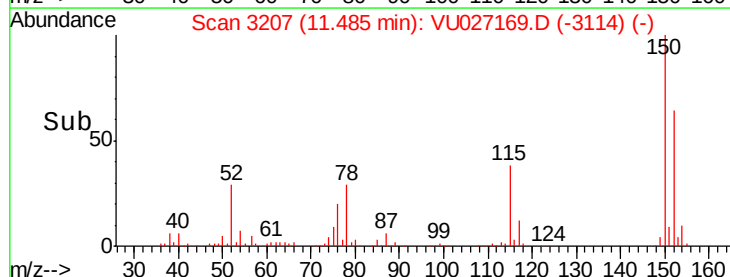
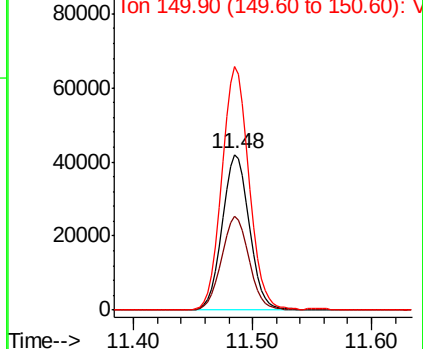


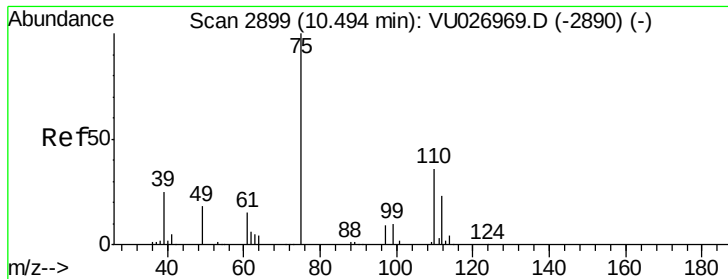
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027169.D
Acq: 26 Sep 2018 11:56

Tgt Ion:152 Resp: 66361
Ion Ratio Lower Upper
152 100
115 61.0 44.9 134.5
150 156.6 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: 21.914 ug/l

RT: 10.31 min Scan# 2842

Delta R.T. -0.18 min

Lab File: VU027169.D

Acq: 26 Sep 2018 11:56

Instrument :

MSVOA_U

ClientSampleId :

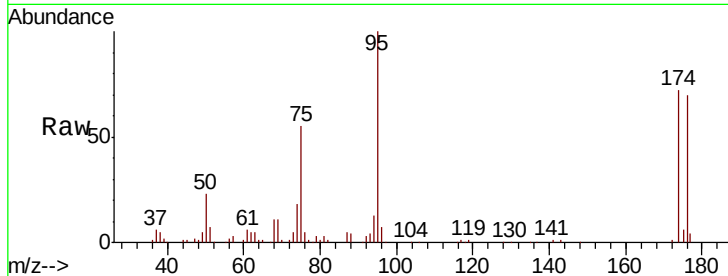
MW-18-092018

Tgt Ion: 75 Resp: 44180

Ion Ratio Lower Upper

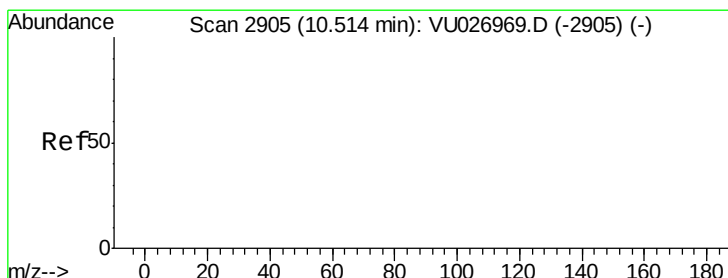
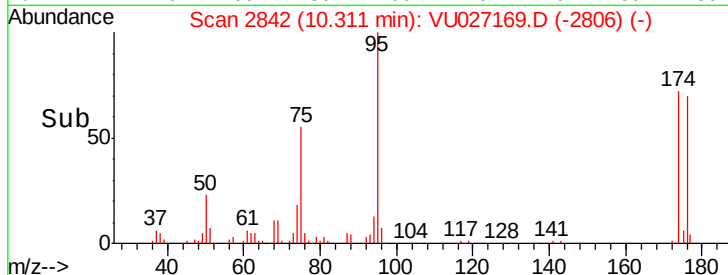
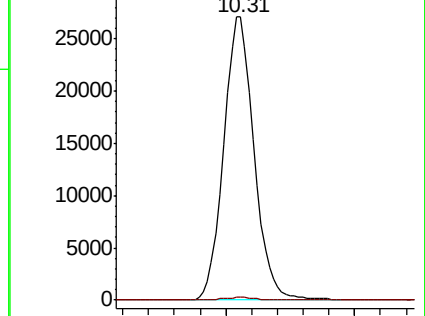
75 100

77 0.9 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: 70.130 ug/l

RT: 10.31 min Scan# 2842

Delta R.T. -0.20 min

Lab File: VU027169.D

Acq: 26 Sep 2018 11:56

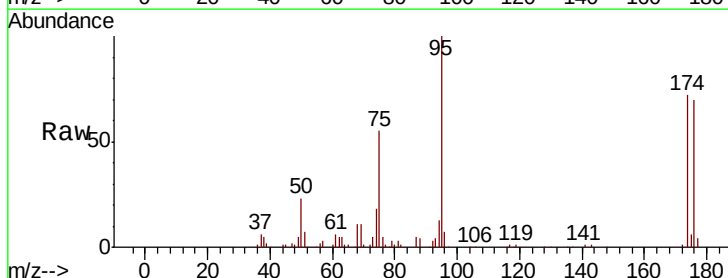
Tgt Ion: 75 Resp: 44180

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

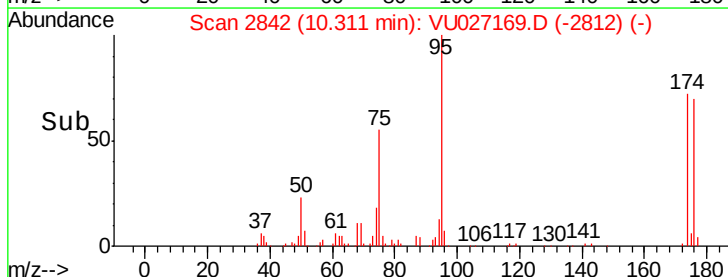
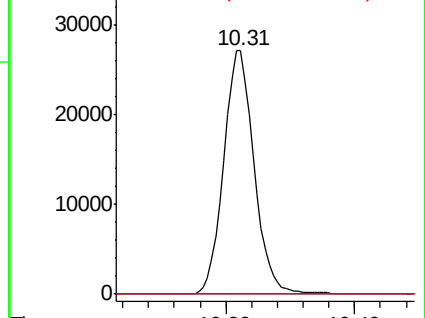
89 0.0 0.0 0.0

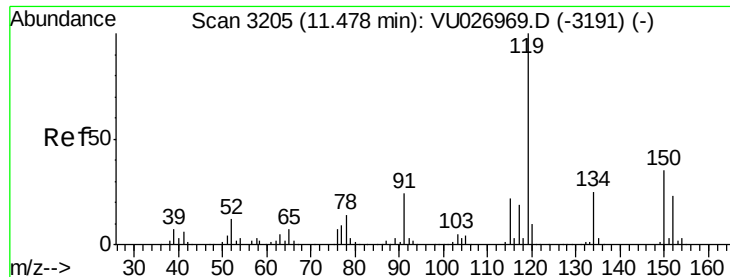


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

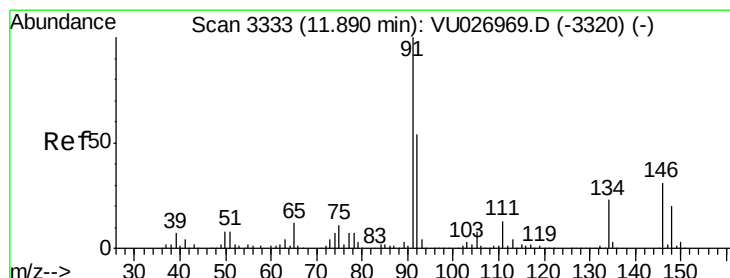
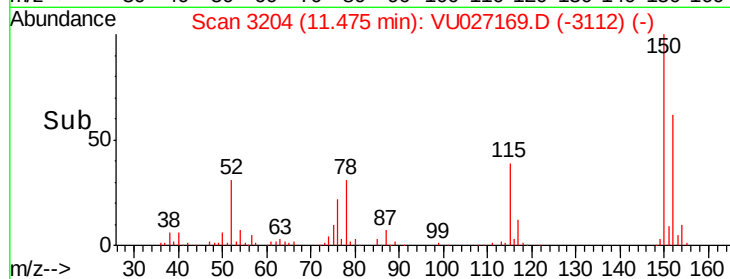
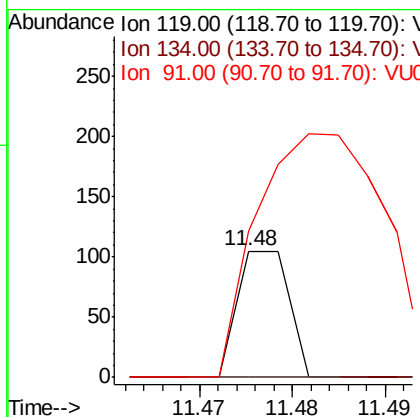
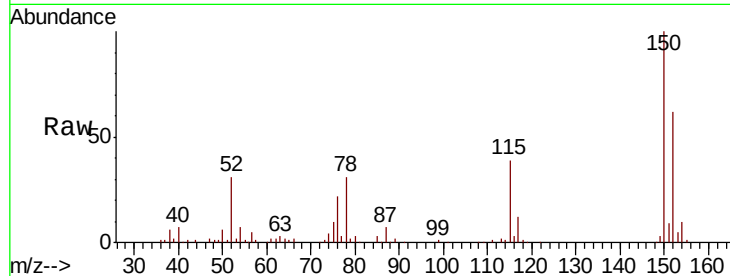




#86
 p-Isopropyltoluene
 Concen: 0.936 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027169.D
 Acq: 26 Sep 2018 11:56

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-18-092018

Tgt Ion	Ratio	Lower	Upper
119	100		
134	0.0	12.8	38.3#
91	465.9	12.3	36.8#



#89
 n-Butylbenzene
 Concen: 2.397 ug/l
 RT: 11.89 min Scan# 3333
 Delta R.T. 0.00 min
 Lab File: VU027169.D
 Acq: 26 Sep 2018 11:56

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

