

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101018\
 Data File : VU027562.D
 Acq On : 10 Oct 2018 12:07
 Operator : MD/SY
 Sample : J5302-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TW-1

Quant Time: Oct 11 04:03:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	134096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	225387	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	191747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	77069	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	104592	46.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.42%	
35) Dibromofluoromethane	4.89	113	74831	48.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.90%	
50) Toluene-d8	7.57	98	282670	48.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.80%	
62) 4-Bromofluorobenzene	10.31	95	87654	40.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.60%	

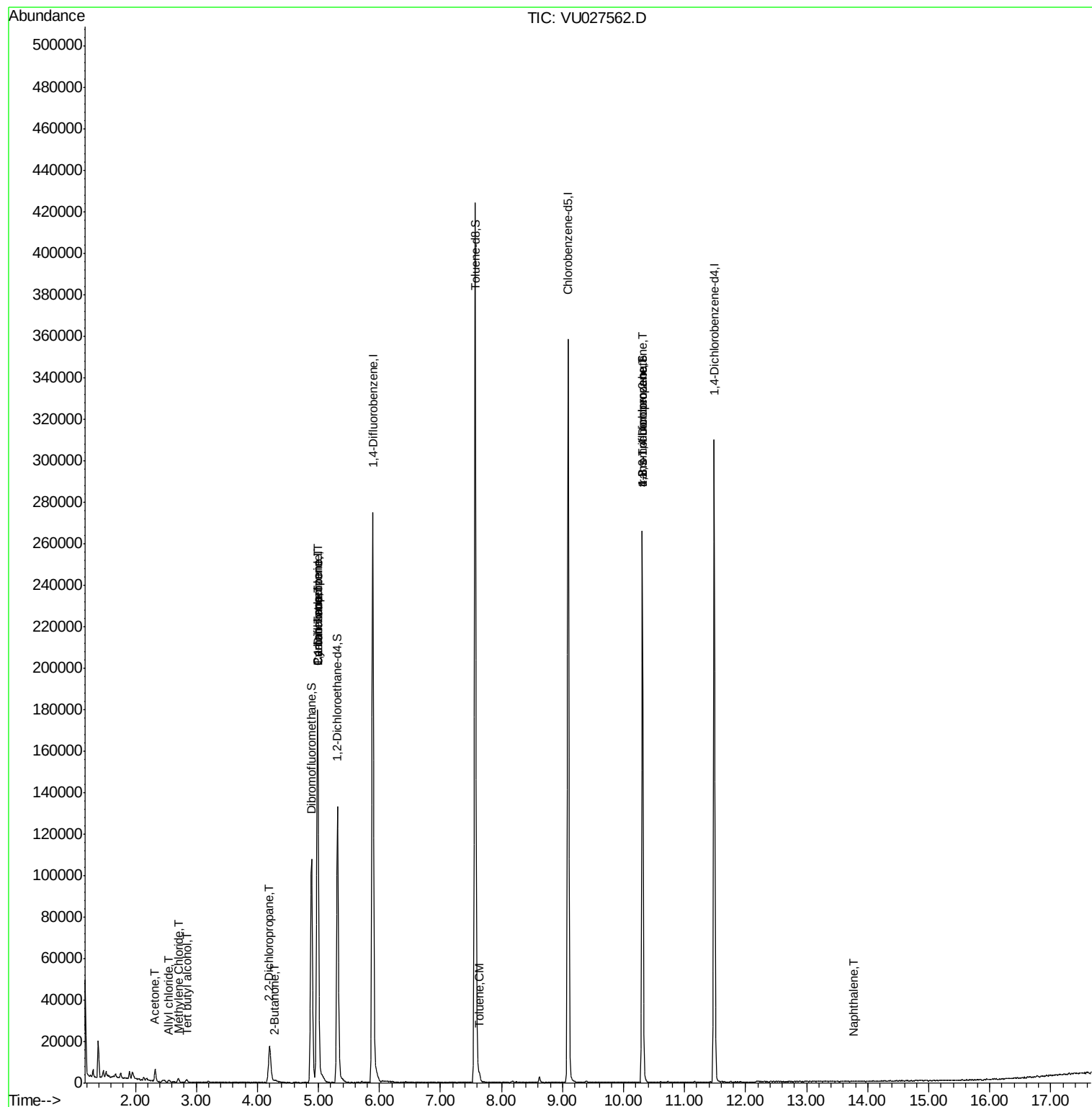
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.84	59	1073	2.276	ug/l #	72
14) Allyl chloride	2.56	41	704	0.209	ug/l #	56
16) Acetone	2.32	43	6728	5.086	ug/l	99
20) Methylene Chloride	2.71	84	877	0.476	ug/l	88
25) 2-Butanone	4.29	43	1098	0.609	ug/l #	89
26) 2,2-Dichloropropane	4.20	77	1180	0.409	ug/l #	56
31) Cyclohexane	4.99	56	3425	0.719	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	12201	4.986	ug/l #	50
38) Carbon Tetrachloride	4.99	117	13703	6.199	ug/l #	18
52) Toluene	7.64	92	1443	0.342	ug/l	94
76) 1,2,3-Trichloropropane	10.31	75	45142	22.596	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	45142	59.136	ug/l #	100
95) Naphthalene	13.77	128	160	1.687	ug/l #	69

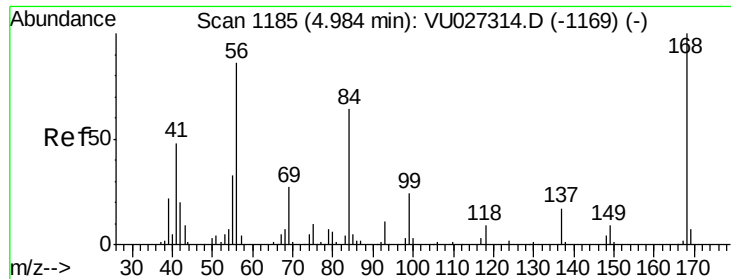
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027562.D

Acq: 10 Oct 2018 12:07

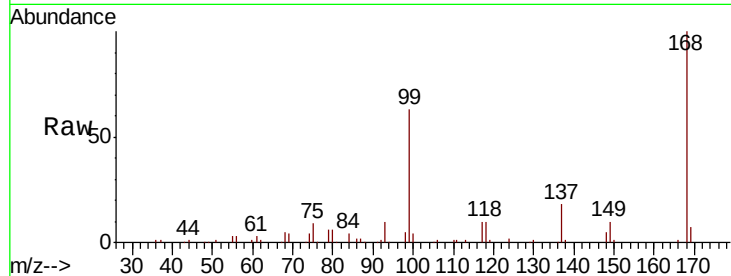
Instrument :
MSVOA_U
ClientSampleId :
TW-1

Tgt Ion: 168 Resp: 134096

Ion Ratio Lower Upper

168 100

99 62.6 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)

4.99

60000

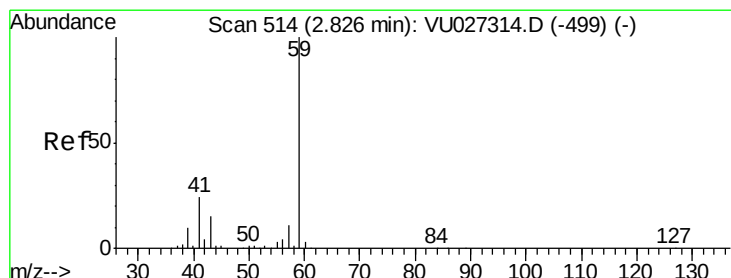
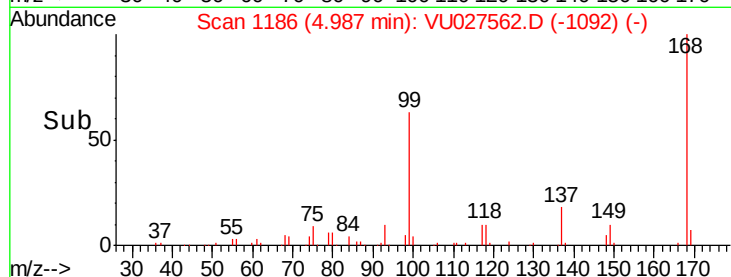
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#11

Tert butyl alcohol

Concen: 2.276 ug/l

RT: 2.84 min Scan# 519

Delta R.T. 0.02 min

Lab File: VU027562.D

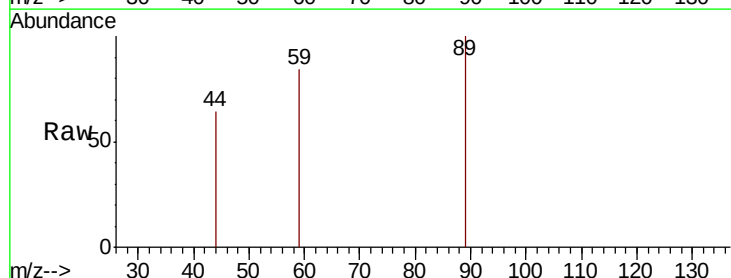
Acq: 10 Oct 2018 12:07

Tgt Ion: 59 Resp: 1073

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VU027314.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU027314.D (-499) (-)

2.84

600

500

400

300

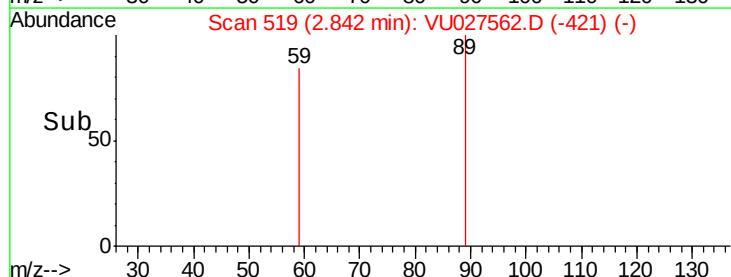
200

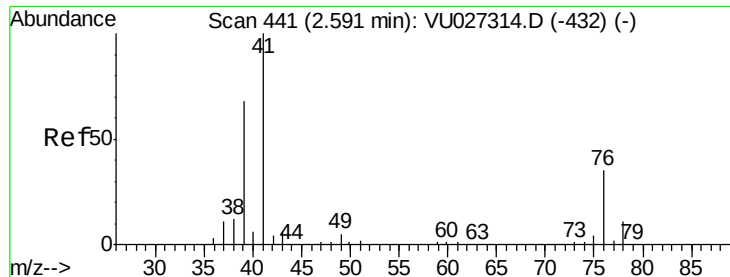
100

0

2.80 2.85

Time-->

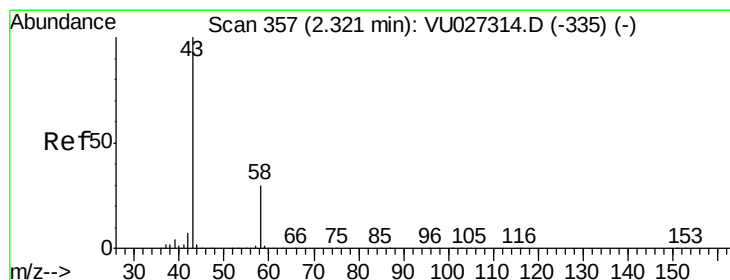
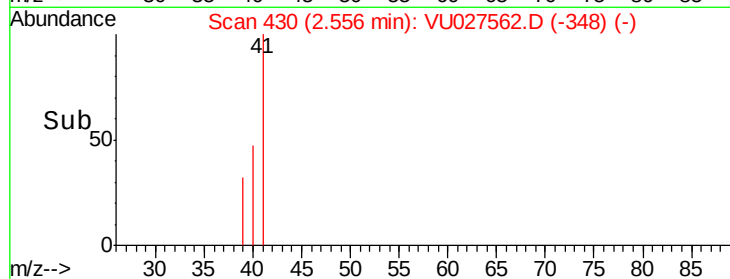
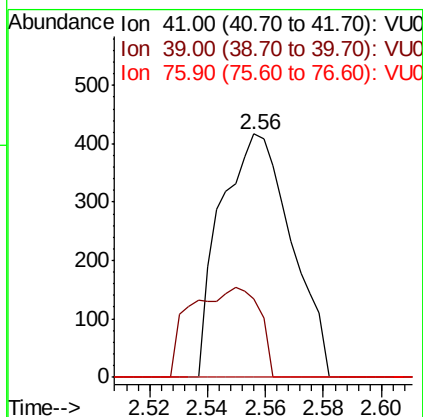
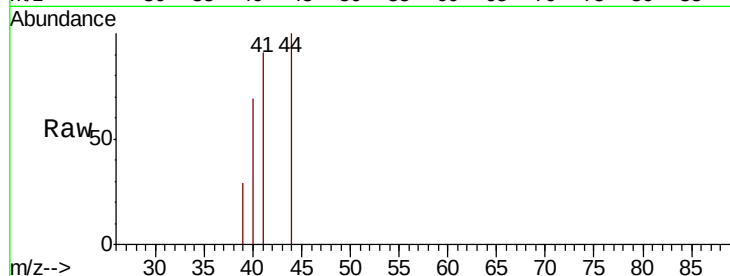




#14
 Allyl chloride
 Concen: 0.209 ug/l
 RT: 2.56 min Scan# 430
 Delta R.T. -0.04 min
 Lab File: VU027562.D
 Acq: 10 Oct 2018 12:07

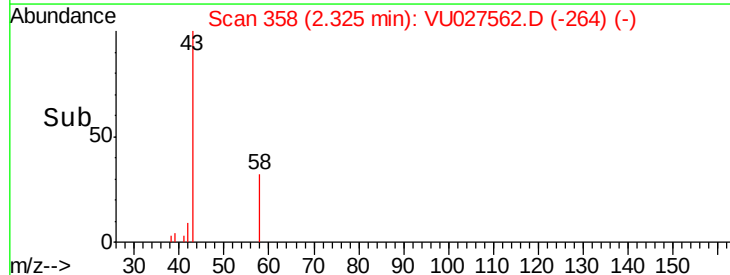
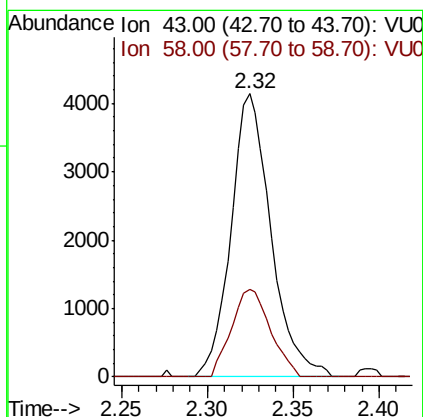
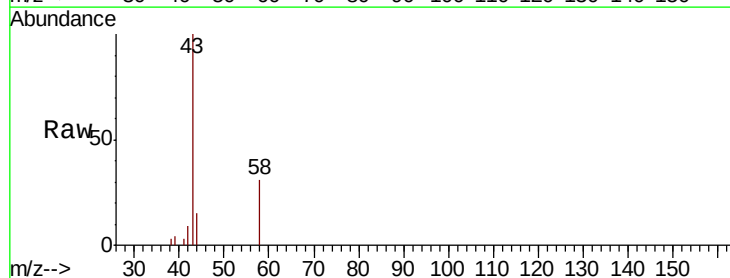
Instrument :
 MSVOA_U
 ClientSampled :
 TW-1

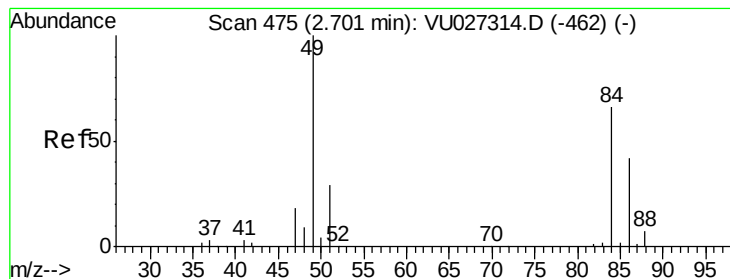
Tgt Ion: 41 Resp: 704
 Ion Ratio Lower Upper
 41 100
 39 35.7 51.8 77.8#
 76 0.0 25.9 38.9#



#16
 Acetone
 Concen: 5.086 ug/l
 RT: 2.32 min Scan# 358
 Delta R.T. 0.00 min
 Lab File: VU027562.D
 Acq: 10 Oct 2018 12:07

Tgt Ion: 43 Resp: 6728
 Ion Ratio Lower Upper
 43 100
 58 31.1 24.2 36.4





#20

Methylene Chloride

Concen: 0.476 ug/l

RT: 2.71 min Scan# 477

Delta R.T. 0.01 min

Lab File: VU027562.D

Acq: 10 Oct 2018 12:07

Instrument :

MSVOA_U

ClientSampled :

TW-1

Tgt Ion: 84 Resp: 877

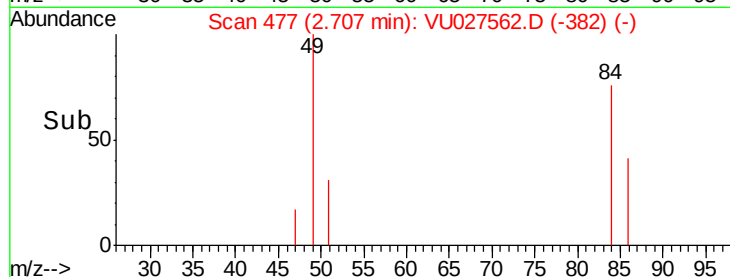
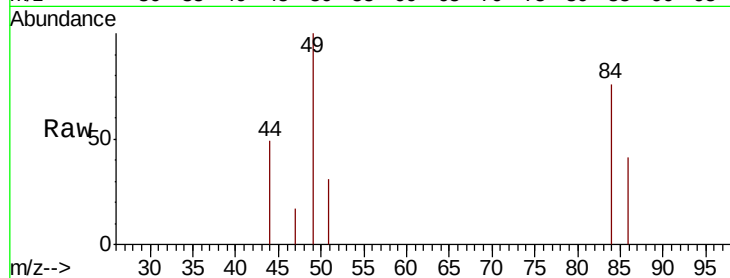
Ion Ratio Lower Upper

84 100

49 131.6 120.5 180.7

51 41.2 35.1 52.7

86 54.2 50.5 75.7

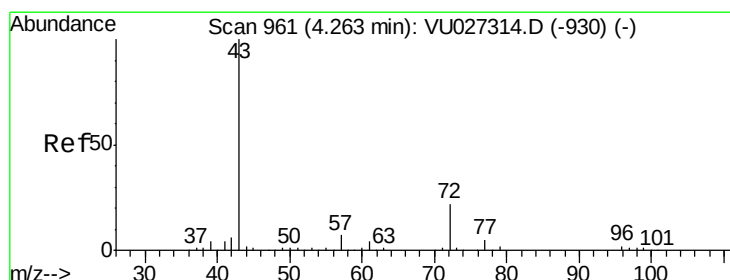
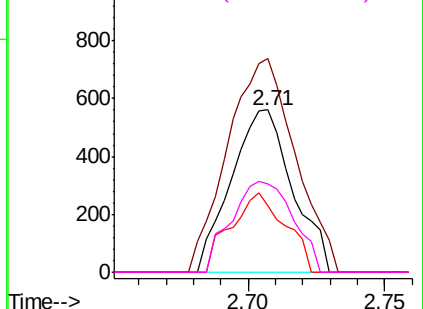


Abundance Ion 83.90 (83.60 to 84.60): VU0

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: 0.609 ug/l

RT: 4.29 min Scan# 970

Delta R.T. 0.03 min

Lab File: VU027562.D

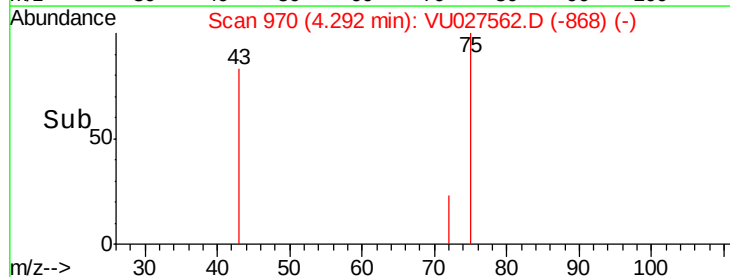
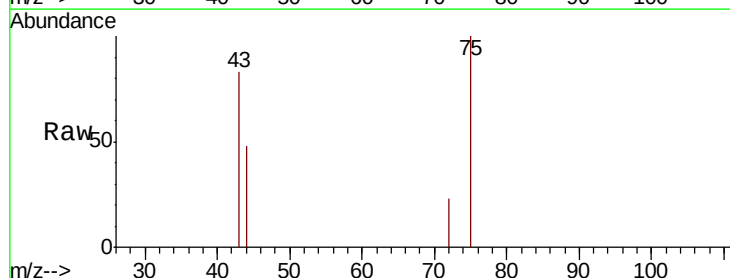
Acq: 10 Oct 2018 12:07

Tgt Ion: 43 Resp: 1098

Ion Ratio Lower Upper

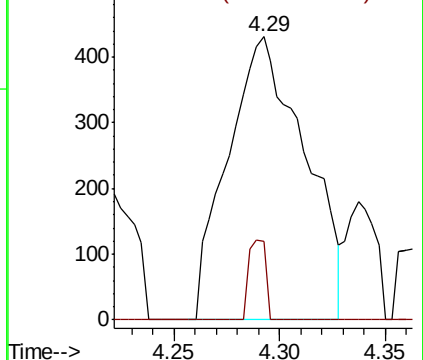
43 100

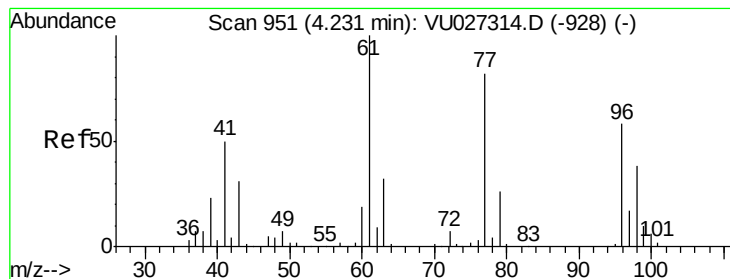
72 27.6 17.8 26.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0





#26

2,2-Dichloropropane

Concen: 0.409 ug/l

RT: 4.20 min Scan# 940

Delta R.T. -0.04 min

Lab File: VU027562.D

Acq: 10 Oct 2018 12:07

Instrument :

MSVOA_U

ClientSampled :

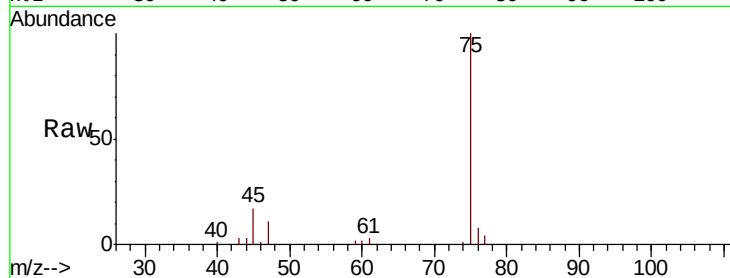
TW-1

Tgt Ion: 77 Resp: 1180

Ion Ratio Lower Upper

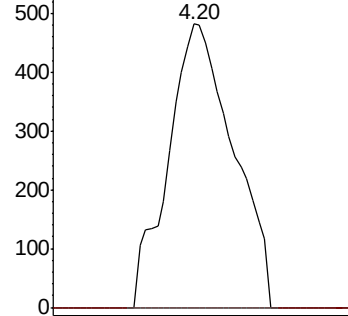
77 100

97 0.0 10.4 31.1#

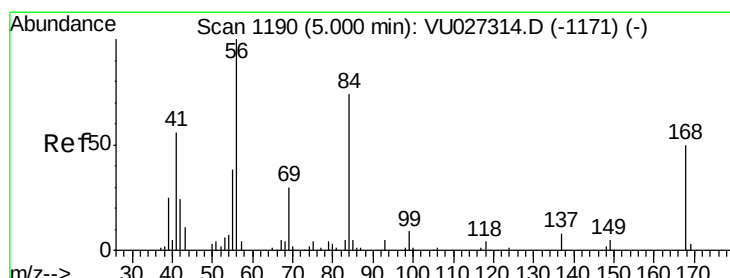
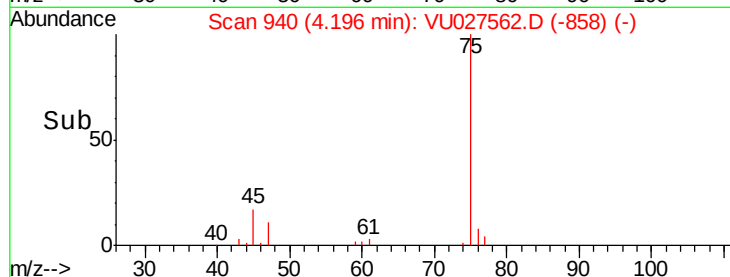


Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



Time-->



#31

Cyclohexane

Concen: 0.719 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU027562.D

Acq: 10 Oct 2018 12:07

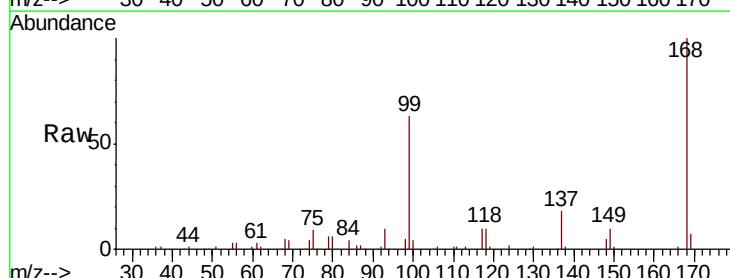
Tgt Ion: 56 Resp: 3425

Ion Ratio Lower Upper

56 100

69 166.4 24.1 36.1#

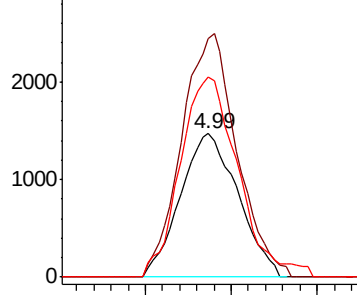
84 139.4 59.1 88.7#



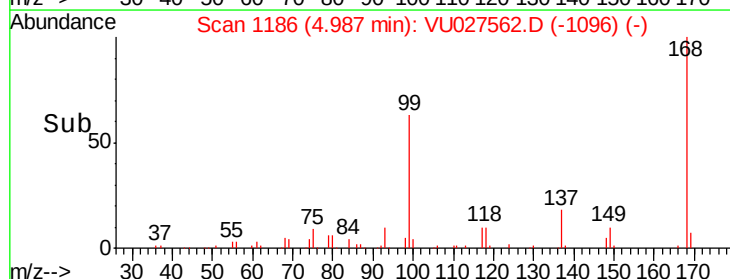
Abundance Ion 56.00 (55.70 to 56.70): VU0

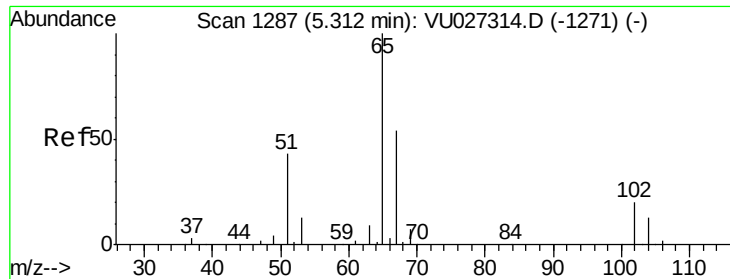
Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



Time-->

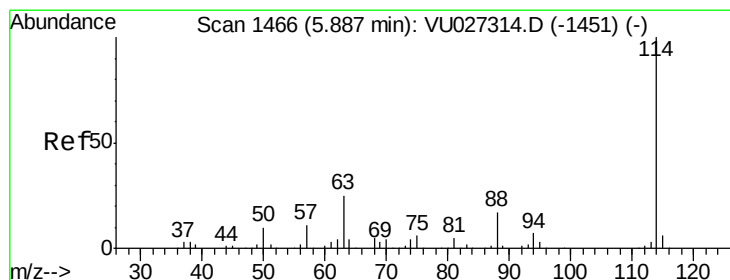
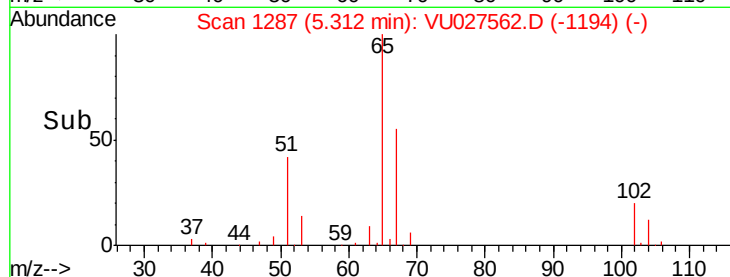
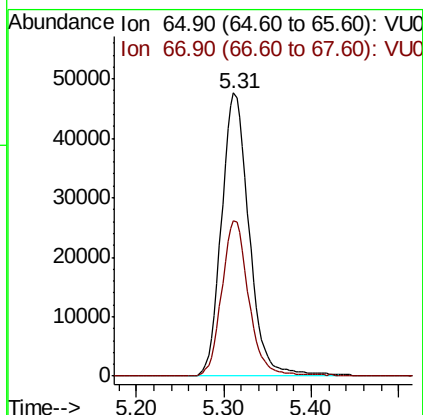
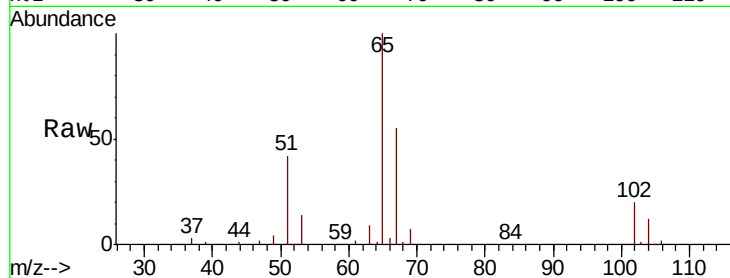




#33
 1,2-Dichloroethane-d4
 Concen: 46.710 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027562.D
 Acq: 10 Oct 2018 12:07

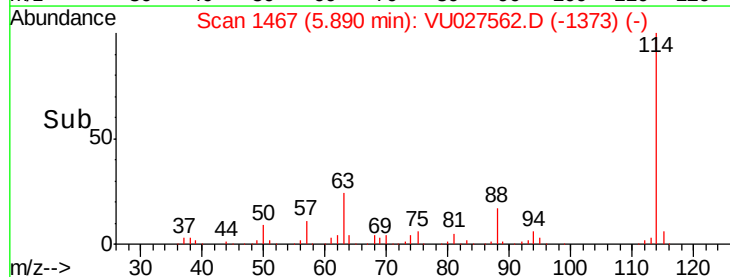
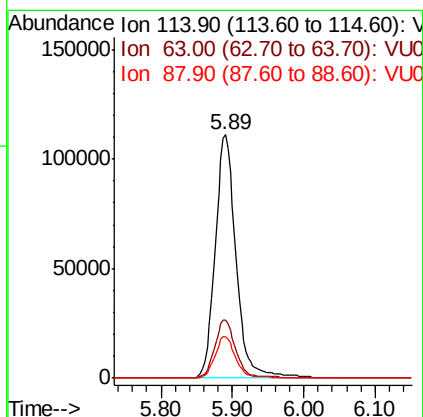
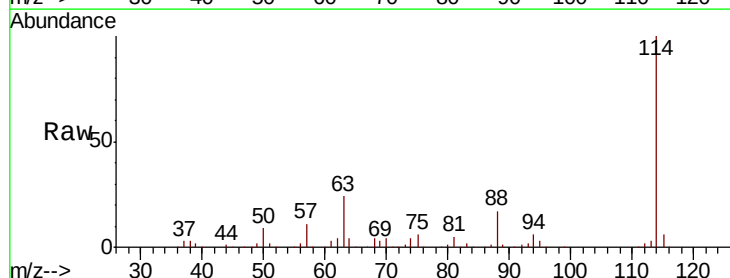
Instrument :
 MSVOA_U
 ClientSampled :
 TW-1

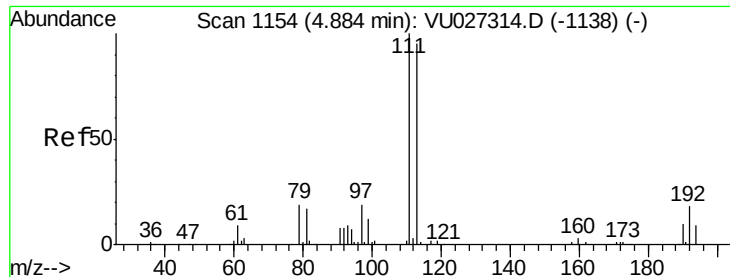
Tgt Ion: 65 Resp: 104592
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027562.D
 Acq: 10 Oct 2018 12:07

Tgt Ion: 114 Resp: 225387
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 50.2
 88 16.8 0.0 33.8

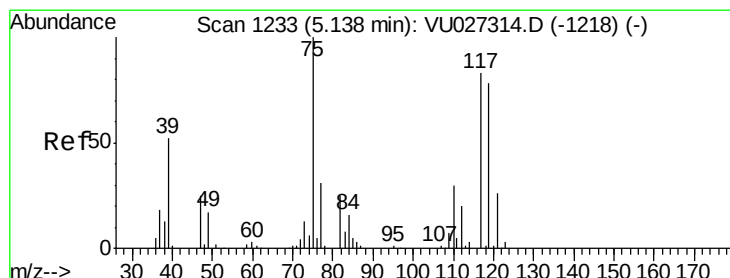
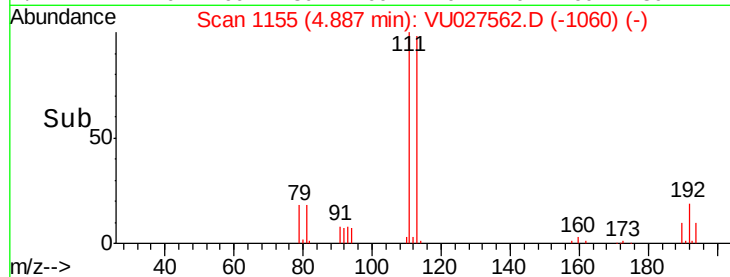
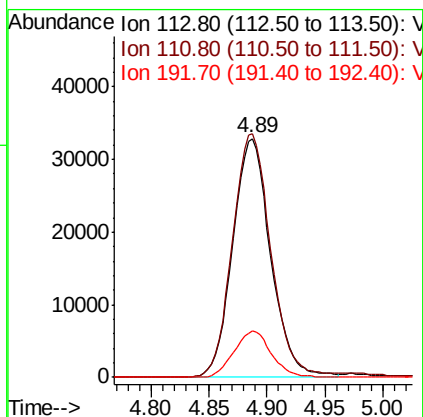
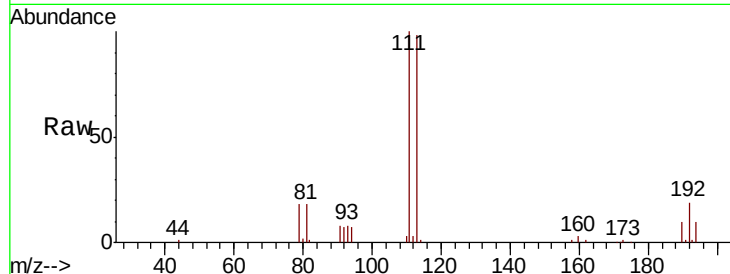




#35
 Dibromofluoromethane
 Concen: 48.445 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027562.D
 Acq: 10 Oct 2018 12:07

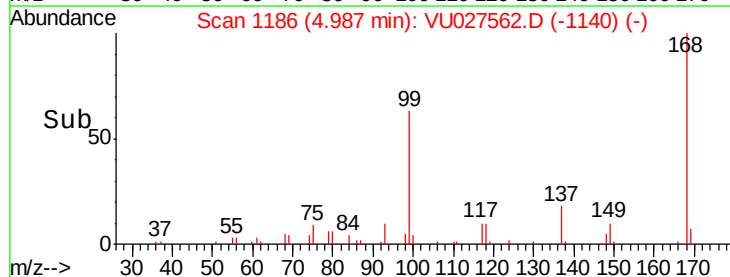
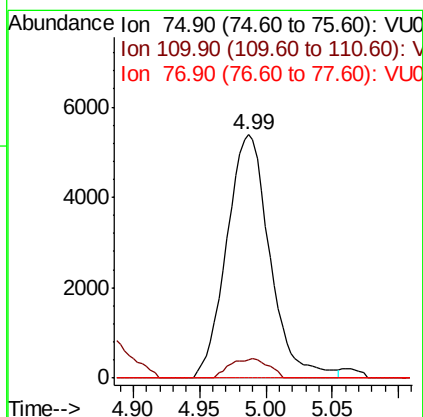
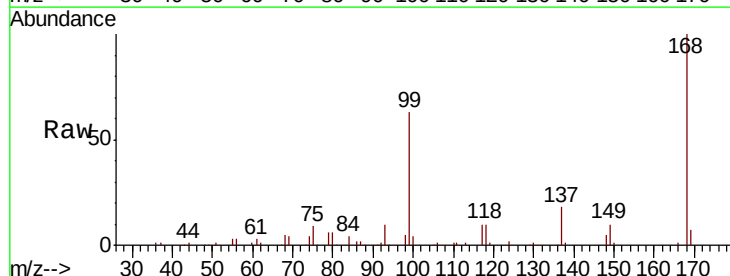
Instrument :
 MSVOA_U
 ClientSampled :
 TW-1

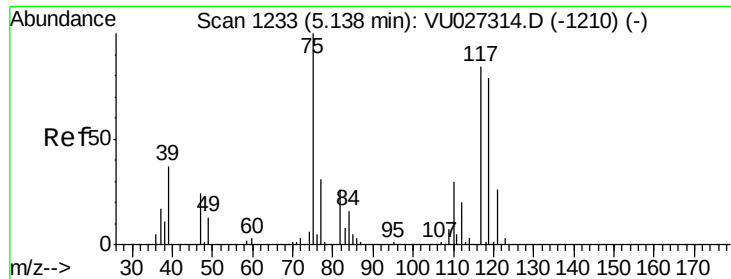
Tgt Ion:113 Resp: 74831
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.1 124.7
 192 19.1 15.4 23.0



#36
 1,1-Dichloropropene
 Concen: 4.986 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027562.D
 Acq: 10 Oct 2018 12:07

Tgt Ion: 75 Resp: 12201
 Ion Ratio Lower Upper
 75 100
 110 7.1 15.5 46.5#
 77 0.0 25.4 38.0#

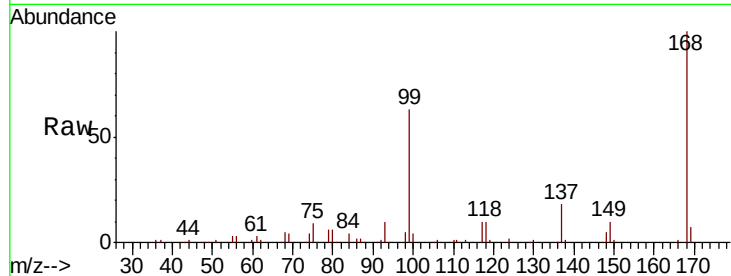




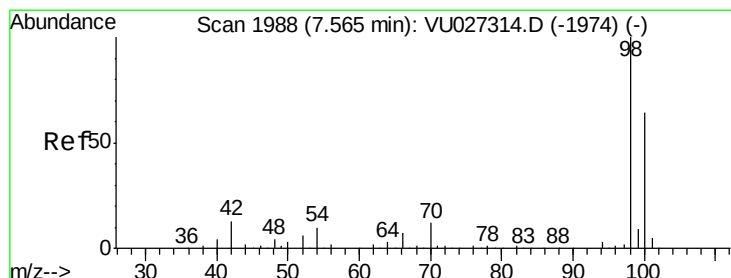
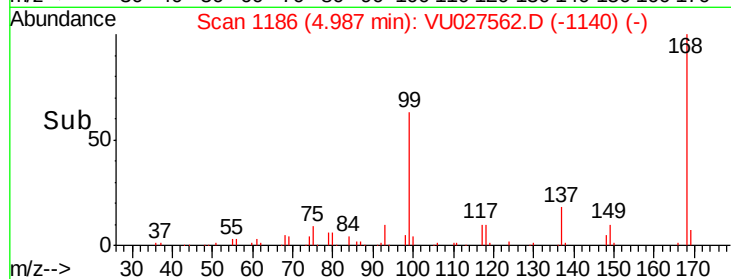
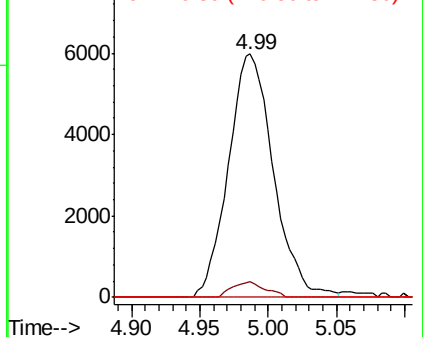
#38
Carbon Tetrachloride
Concen: 6.199 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU027562.D
Acq: 10 Oct 2018 12:07

Instrument :
MSVOA_U
ClientSampleId :
TW-1

Tgt Ion: 117 Resp: 13703
Ion Ratio Lower Upper
117 100
119 6.3 74.5 111.7#
121 0.0 24.6 37.0#

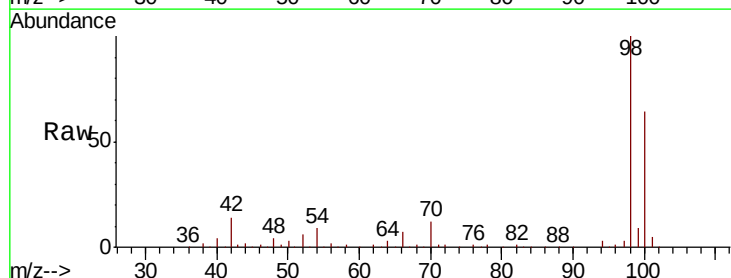


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

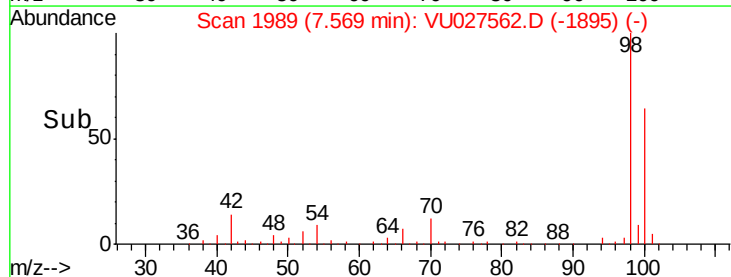
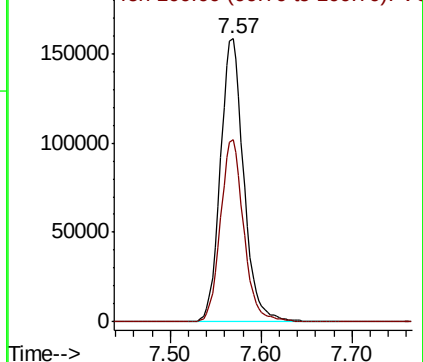


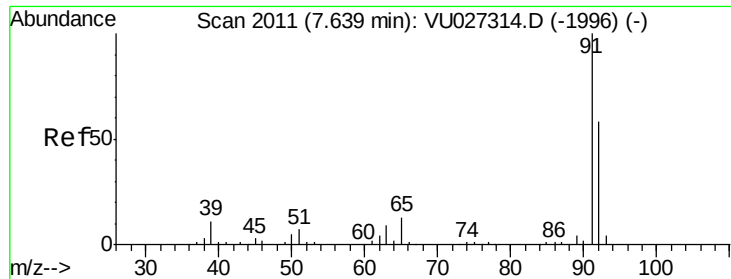
#50
Toluene-d8
Concen: 48.895 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027562.D
Acq: 10 Oct 2018 12:07

Tgt Ion: 98 Resp: 282670
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): VU





#52

Toluene

Concen: 0.342 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027562.D

Acq: 10 Oct 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

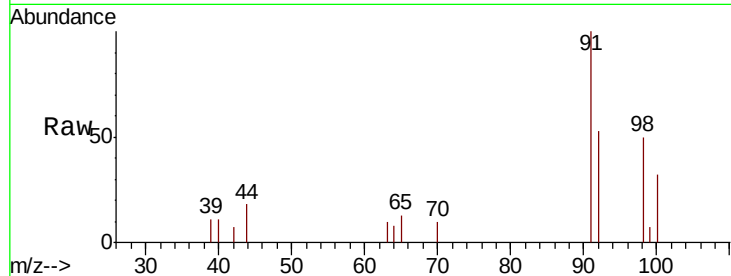
TW-1

Tgt Ion: 92 Resp: 1443

Ion Ratio Lower Upper

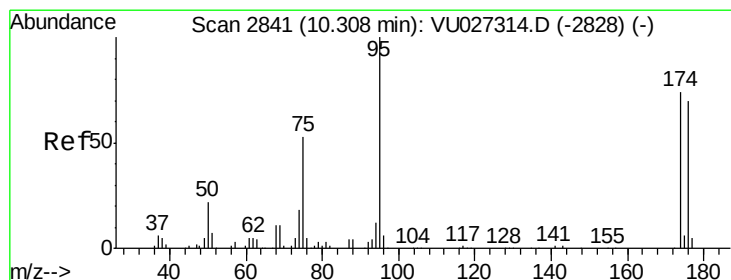
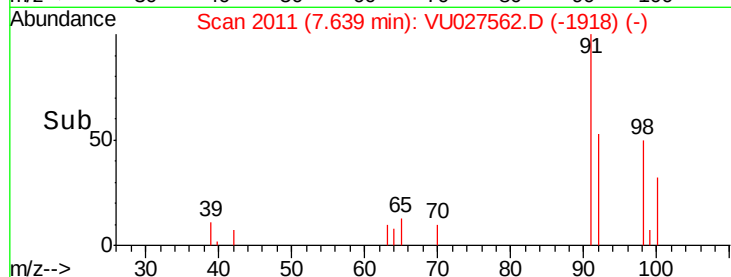
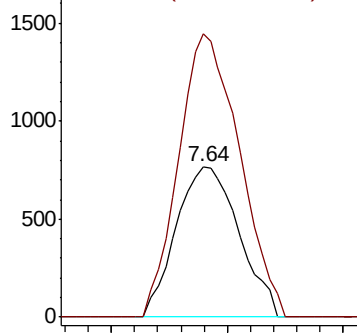
92 100

91 182.2 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#62

4-Bromofluorobenzene

Concen: 40.798 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027562.D

Acq: 10 Oct 2018 12:07

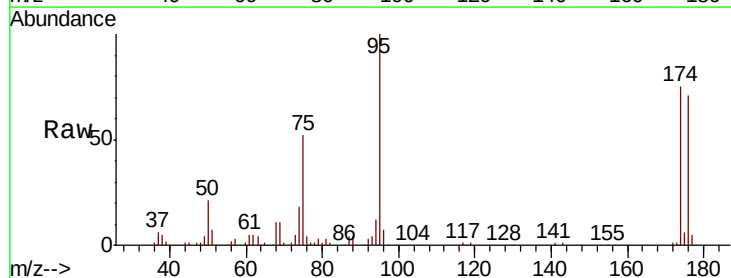
Tgt Ion: 95 Resp: 87654

Ion Ratio Lower Upper

95 100

174 75.8 0.0 147.8

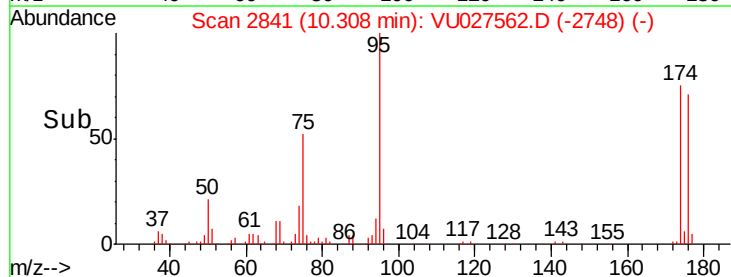
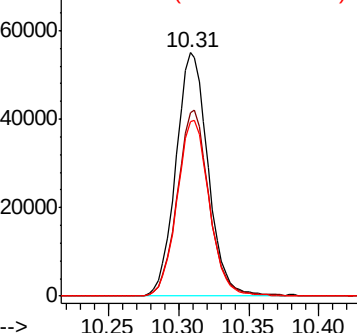
176 72.8 0.0 140.8

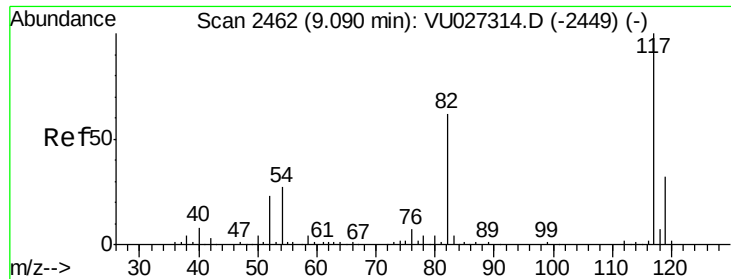


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

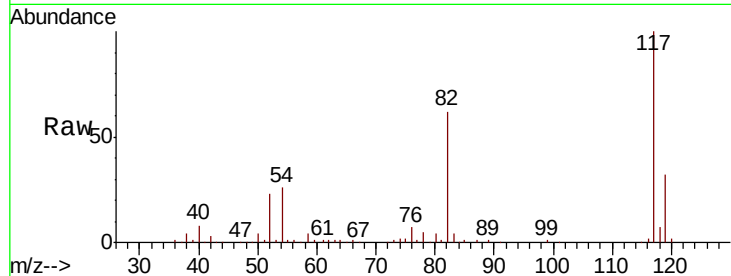




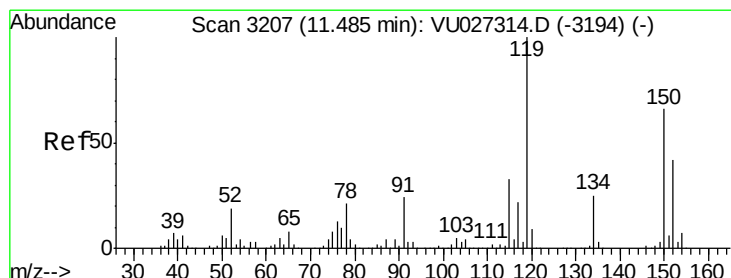
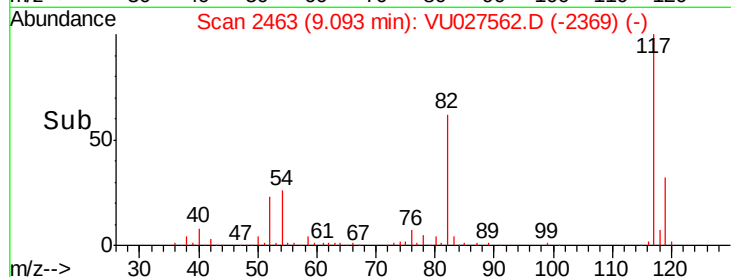
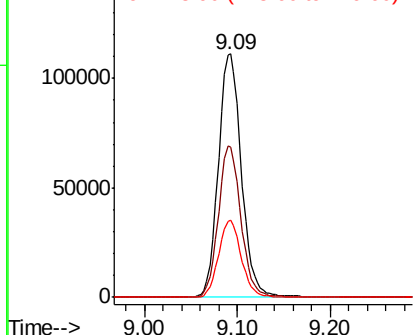
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027562.D
Acq: 10 Oct 2018 12:07

Instrument :
MSVOA_U
ClientSampled :
TW-1

Tgt Ion:117 Resp: 191747
Ion Ratio Lower Upper
117 100
82 61.9 49.2 73.8
119 31.7 25.7 38.5

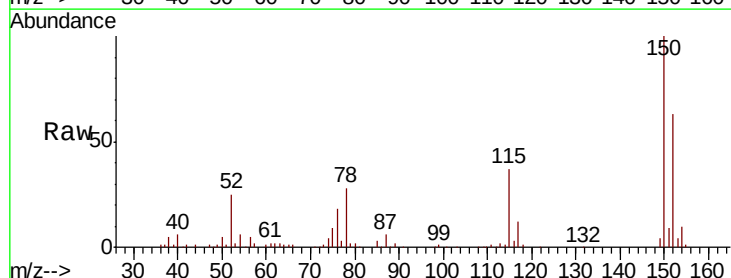


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

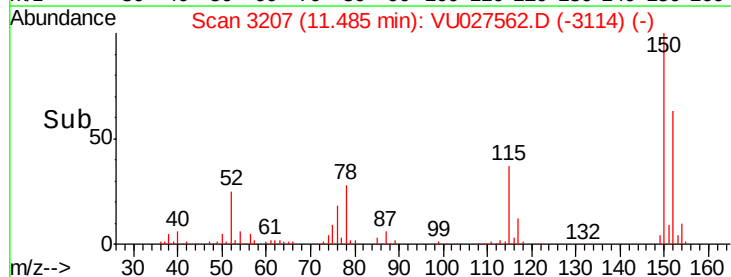
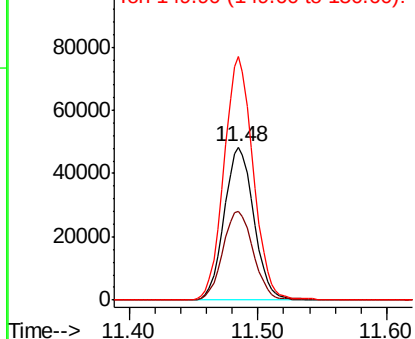


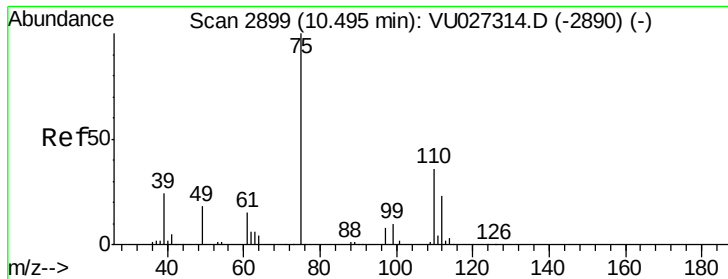
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027562.D
Acq: 10 Oct 2018 12:07

Tgt Ion:152 Resp: 77069
Ion Ratio Lower Upper
152 100
115 59.6 43.4 130.2
150 157.1 0.0 349.2



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: 22.596 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027562.D

Acq: 10 Oct 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

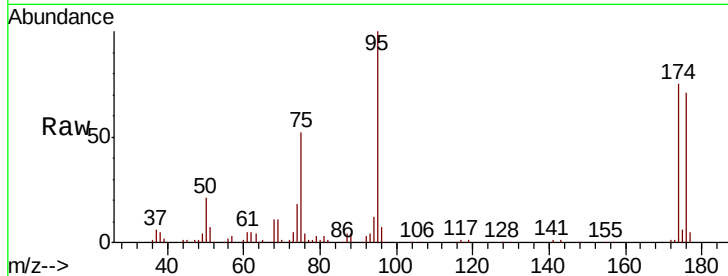
TW-1

Tgt Ion: 75 Resp: 45142

Ion Ratio Lower Upper

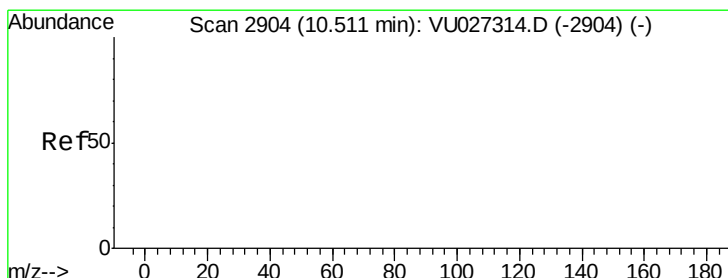
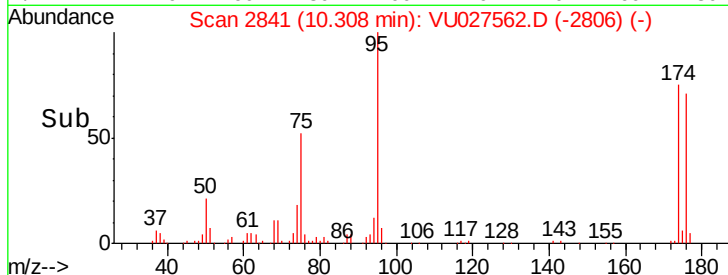
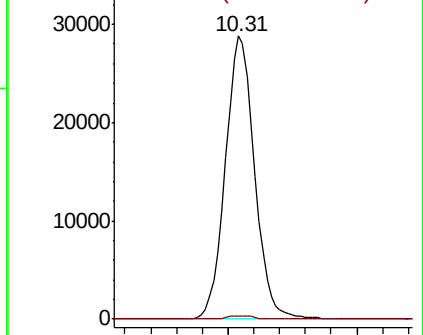
75 100

77 1.0 20.3 60.9#



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: 59.136 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027562.D

Acq: 10 Oct 2018 12:07

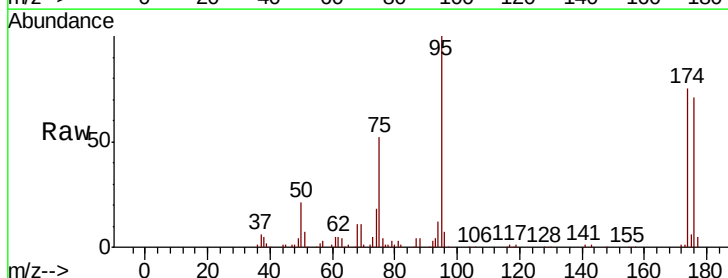
Tgt Ion: 75 Resp: 45142

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

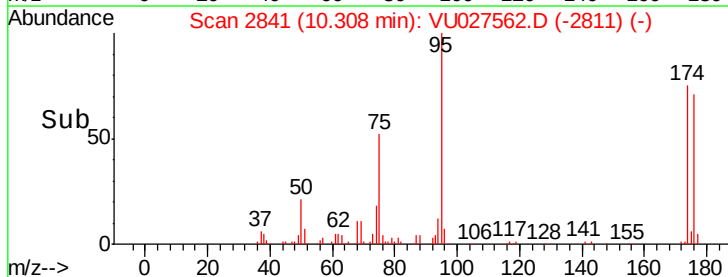
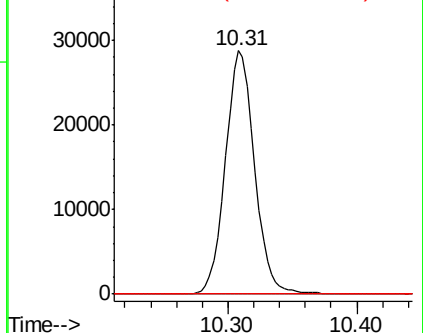
89 0.0 0.0 0.0

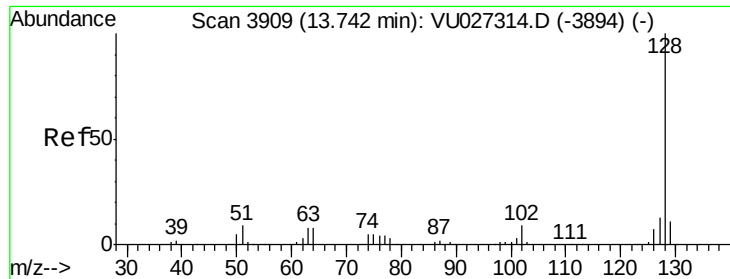


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#95

Naphthalene

Concen: 1.687 ug/l

RT: 13.77 min Scan# 3918

Delta R.T. 0.03 min

Lab File: VU027562.D

Acq: 10 Oct 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

TW-1

Tgt Ion:128 Resp: 160

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 12.8#

