

Data File : VU027014.D
Acq On : 22 Sep 2018 14:33
Operator : MD/SY
Sample : VU0922WBL03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 54 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBL03

Quant Time: Sep 24 02:49:49 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	4.98	168	101954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	170275	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	160576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	68525	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	101356	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
35) Dibromofluoromethane	4.88	113	70380	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	
50) Toluene-d8	7.57	98	257832	45.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.68%	
62) 4-Bromofluorobenzene	10.31	95	84041	43.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.08%	

Target Compounds

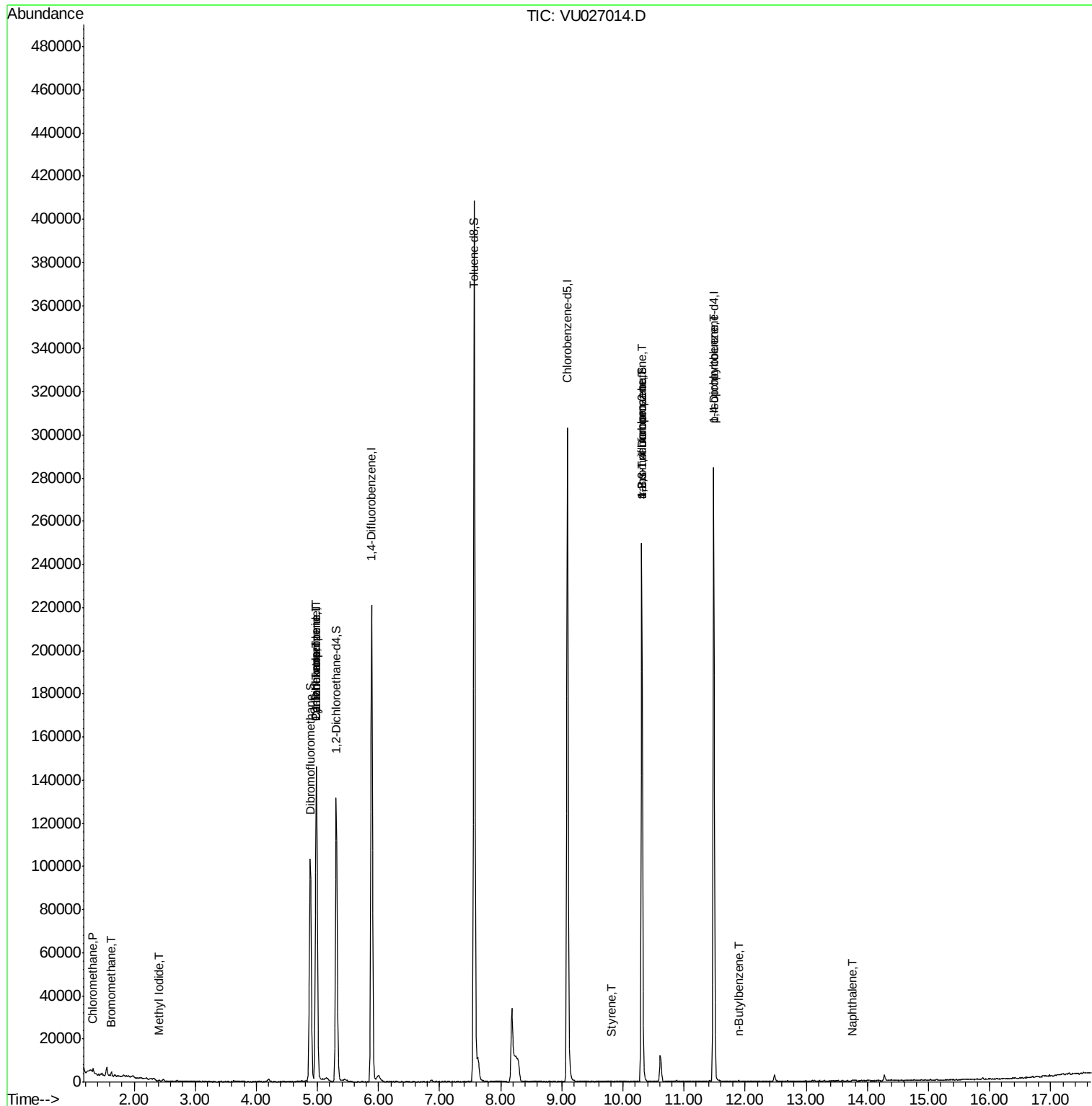
						Qvalue
3) Chloromethane	1.33	50	1686	0.735	ug/l	92
5) Bromomethane	1.63	94	661	0.542	ug/l	86
10) Methyl Iodide	2.41	142	394	0.212	ug/l #	75
16) Acetone	2.32	43	554	Below Cal	#	89
31) Cyclohexane	4.98	56	2600	0.278	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	10116	4.451	ug/l #	48
38) Carbon Tetrachloride	4.98	117	10416	4.816	ug/l #	18
70) Styrene	9.81	104	136	1.838	ug/l #	24
76) 1,2,3-Trichloropropane	10.31	75	44839	21.539	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	44839	68.928	ug/l #	100
86) p-Isopropyltoluene	11.48	119	112	0.950	ug/l #	1
89) n-Butylbenzene	11.90	91	222	2.437	ug/l #	41
95) Naphthalene	13.76	128	774	1.821	ug/l #	69

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027014.D

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Instrument :

MSVOA_U

ClientSampleId :

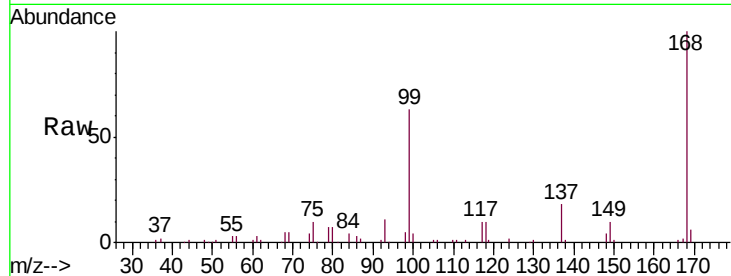
VU0922WBL03

Tgt Ion:168 Resp: 101954

Ion Ratio Lower Upper

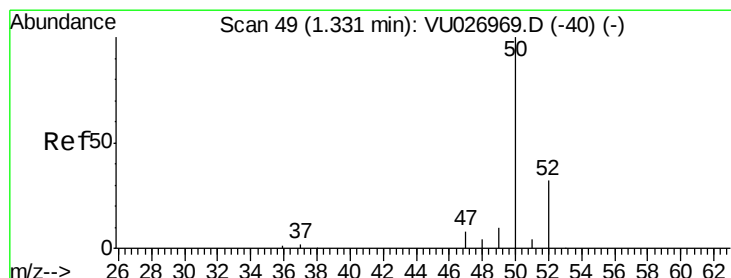
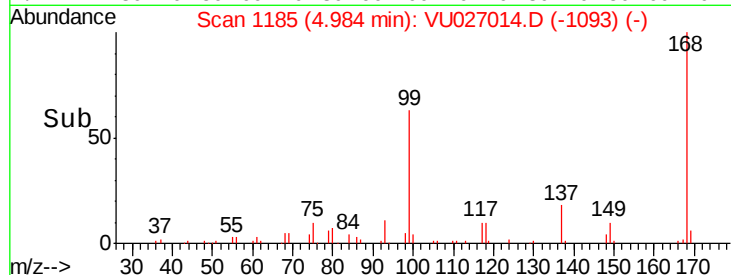
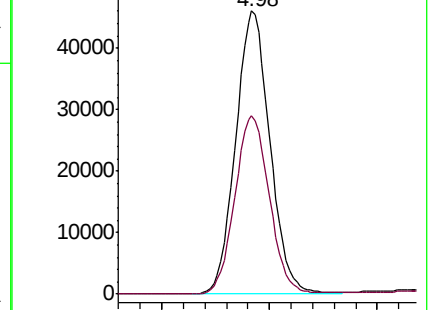
168 100

99 62.8 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) (-)



#3

Chloromethane

Concen: 0.735 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027014.D

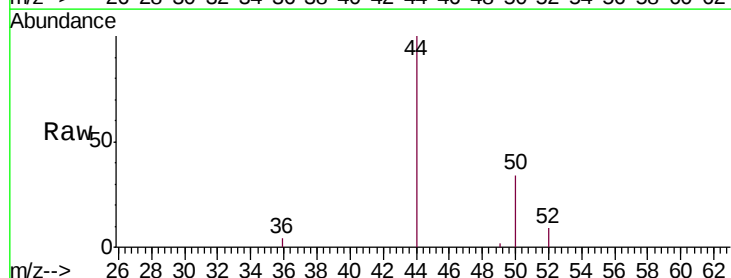
Acq: 22 Sep 2018 14:33

Tgt Ion: 50 Resp: 1686

Ion Ratio Lower Upper

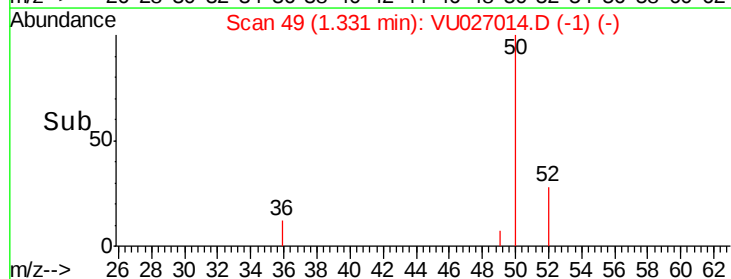
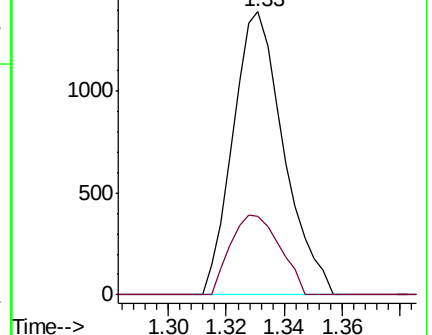
50 100

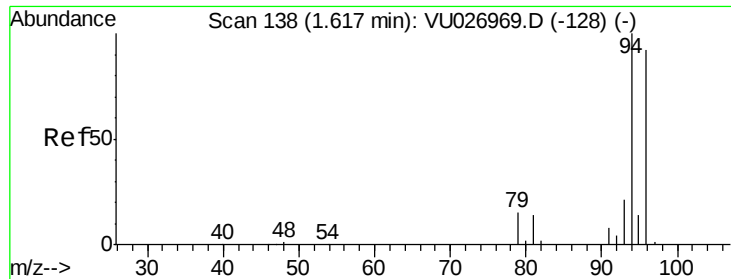
52 27.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VU026969.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU026969.D (-40) (-)





#5

Bromomethane

Concen: 0.542 ug/l

RT: 1.63 min Scan# 141

Delta R.T. 0.01 min

Lab File: VU027014.D

Acq: 22 Sep 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

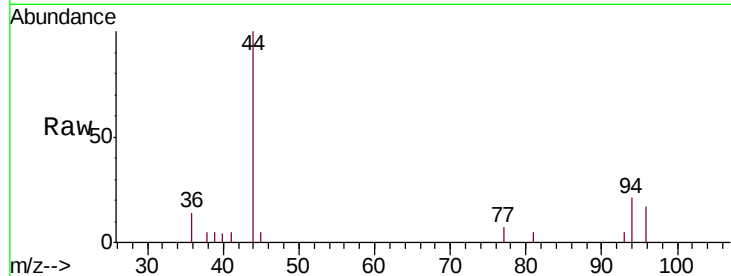
VU0922WBL03

Tgt Ion: 94 Resp: 661

Ion Ratio Lower Upper

94 100

96 78.0 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU026969.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU026969.D (-128) (-)

1.63

500

400

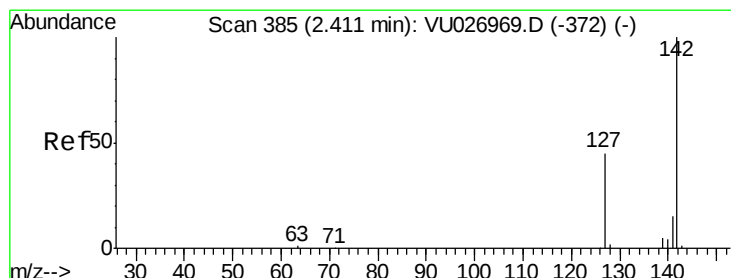
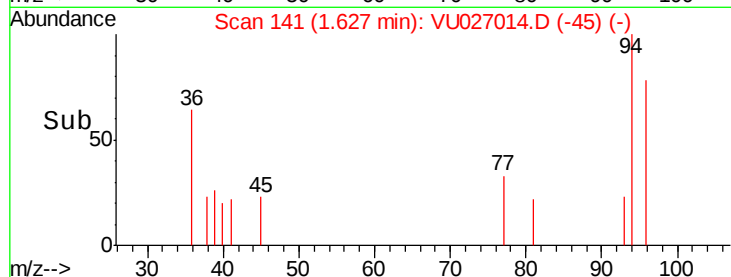
300

200

100

0

Time-->



#10

Methyl Iodide

Concen: 0.212 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU027014.D

Acq: 22 Sep 2018 14:33

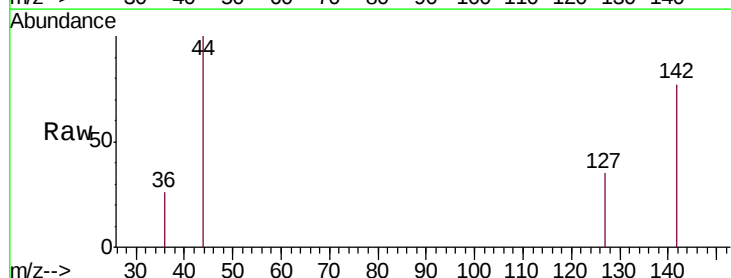
Tgt Ion: 142 Resp: 394

Ion Ratio Lower Upper

142 100

127 31.5 36.7 55.1#

141 0.0 11.8 17.6#



Abundance Ion 141.80 (141.50 to 142.50): VU026969.D (-372) (-)

Ion 126.80 (126.50 to 127.50): VU026969.D (-372) (-)

Ion 140.80 (140.50 to 141.50): VU026969.D (-372) (-)

2.41

400

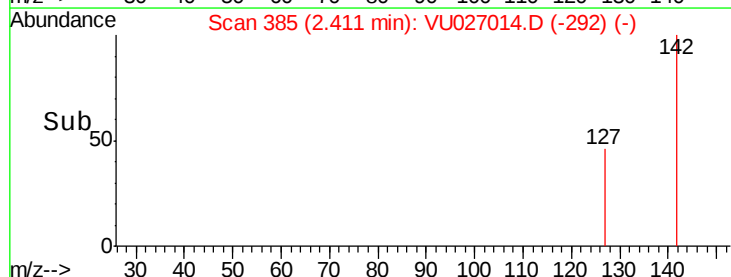
300

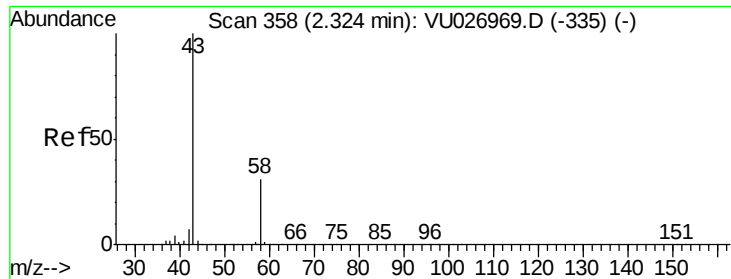
200

100

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027014.D

Acq: 22 Sep 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

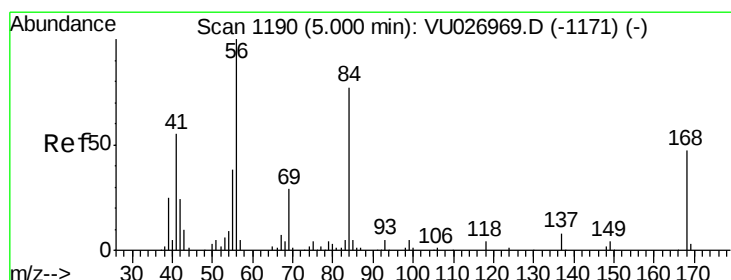
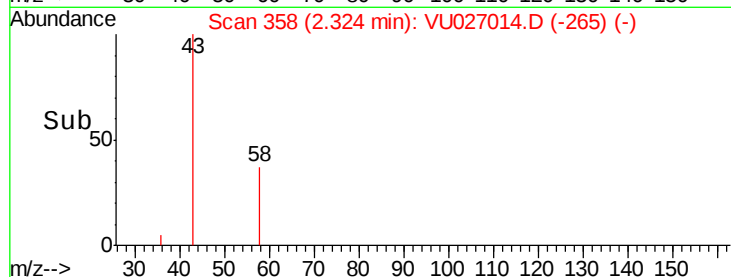
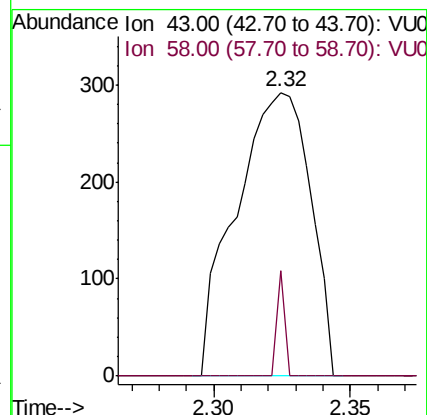
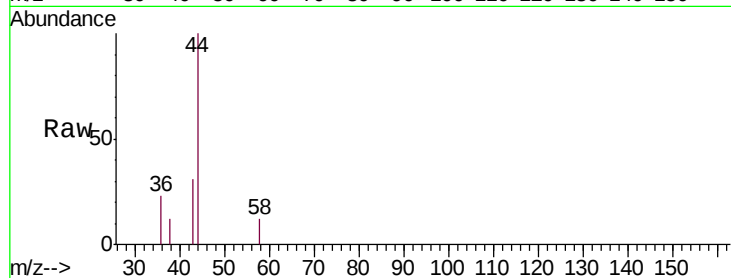
VU0922WBL03

Tgt Ion: 43 Resp: 554

Ion Ratio Lower Upper

43 100

58 37.0 24.6 36.8#



#31

Cyclohexane

Concen: 0.278 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.02 min

Lab File: VU027014.D

Acq: 22 Sep 2018 14:33

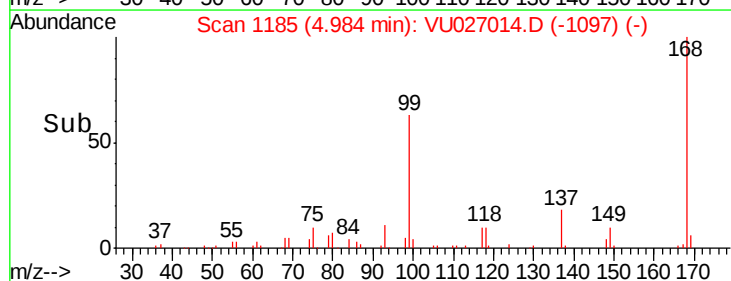
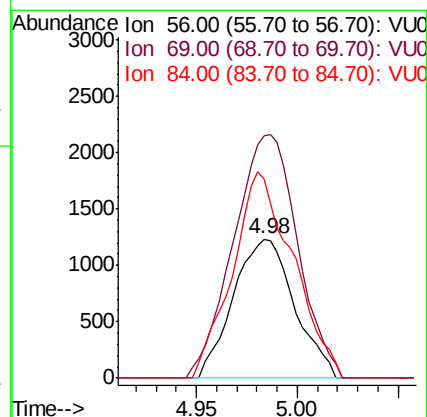
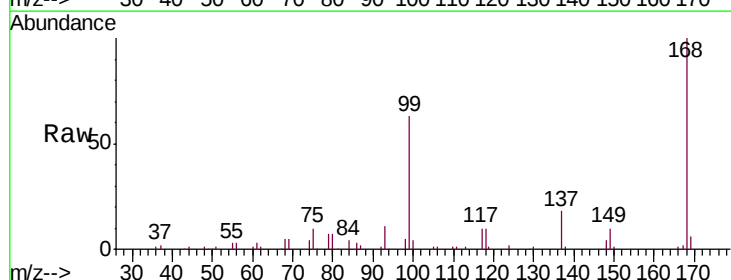
Tgt Ion: 56 Resp: 2600

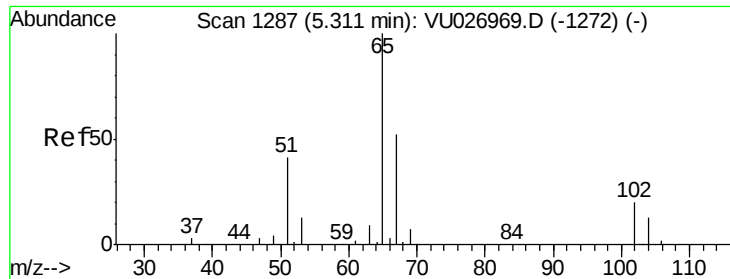
Ion Ratio Lower Upper

56 100

69 174.7 23.0 34.4#

84 143.6 61.4 92.2#

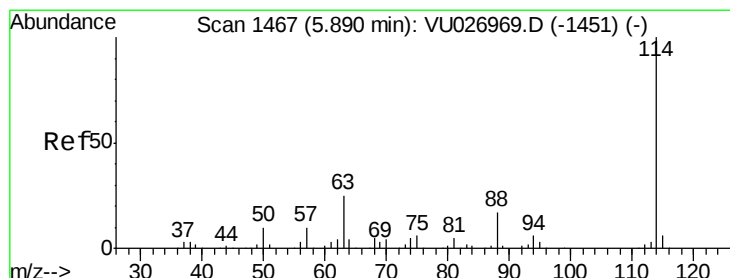
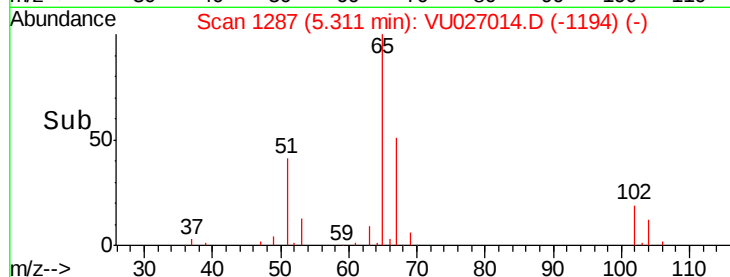
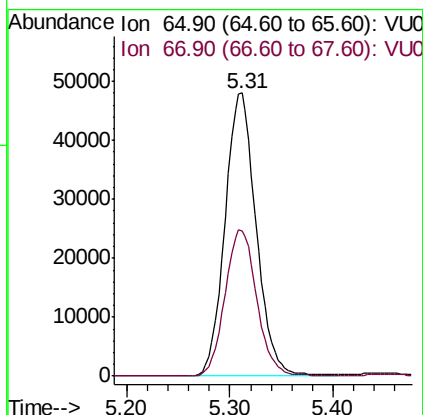
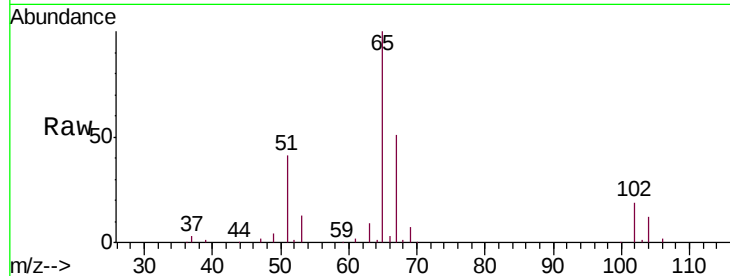




#33
 1,2-Dichloroethane-d4
 Concen: 49.394 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027014.D
 Acq: 22 Sep 2018 14:33

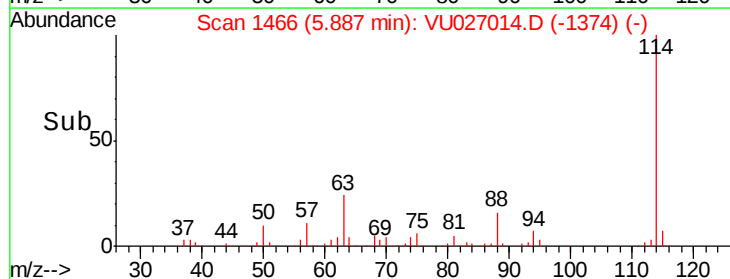
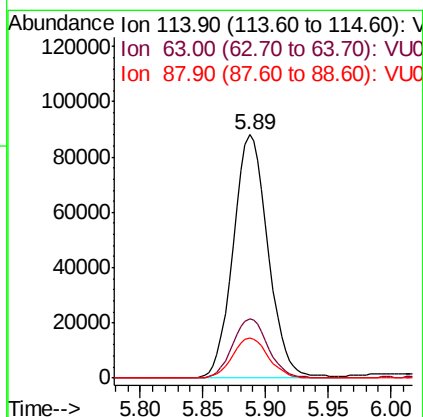
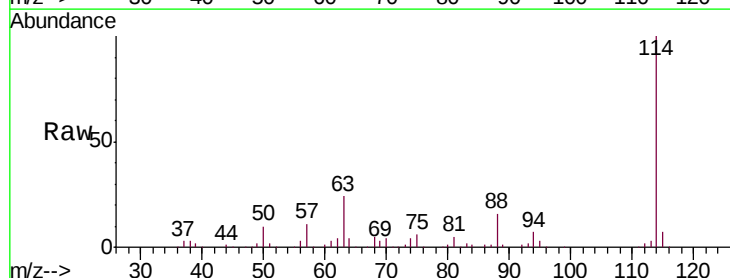
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBL03

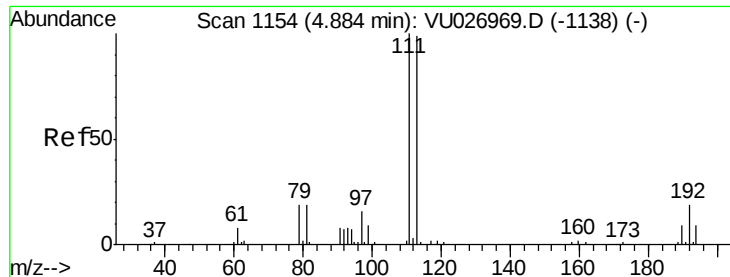
Tgt Ion: 65 Resp: 101356
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027014.D
 Acq: 22 Sep 2018 14:33

Tgt Ion: 114 Resp: 170275
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 49.2
 88 16.5 0.0 33.8

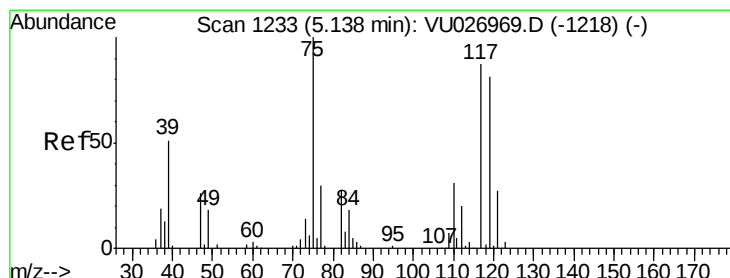
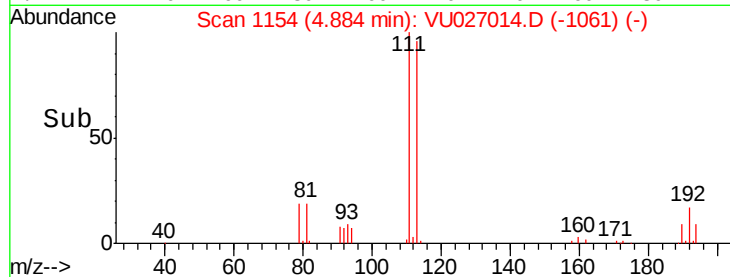
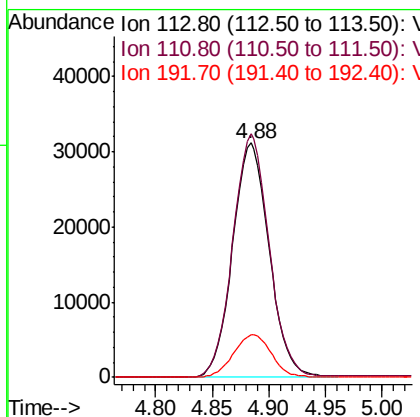
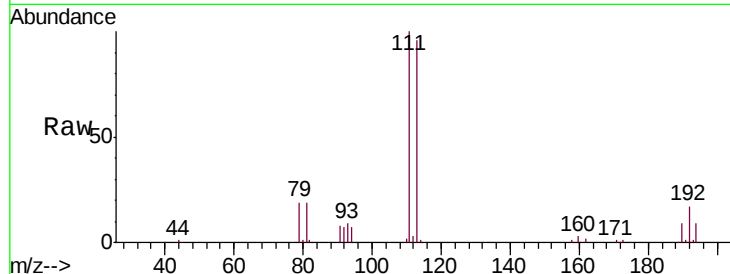




#35
 Dibromofluoromethane
 Concen: 47.685 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027014.D
 Acq: 22 Sep 2018 14:33

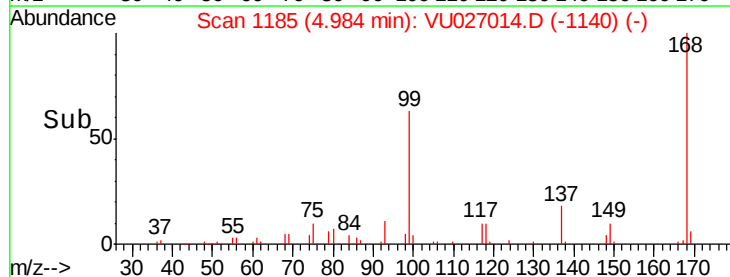
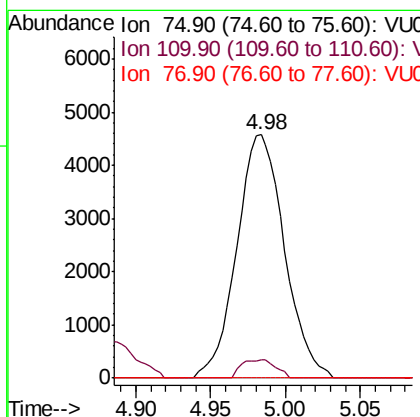
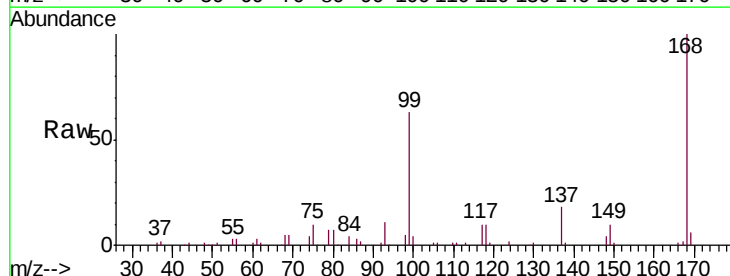
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBL03

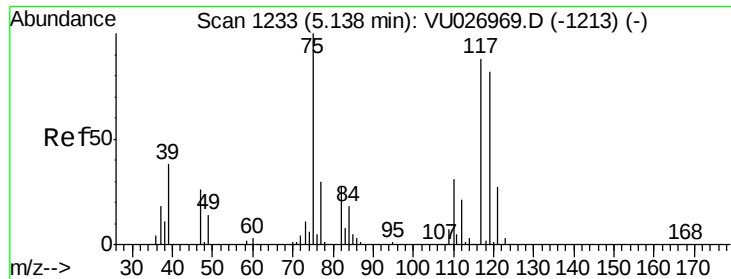
Tgt Ion:113 Resp: 70380
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.2 123.4
 192 18.7 15.2 22.8



#36
 1,1-Dichloropropene
 Concen: 4.451 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027014.D
 Acq: 22 Sep 2018 14:33

Tgt Ion: 75 Resp: 10116
 Ion Ratio Lower Upper
 75 100
 110 5.4 16.1 48.2#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 4.816 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027014.D

Acq: 22 Sep 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBL03

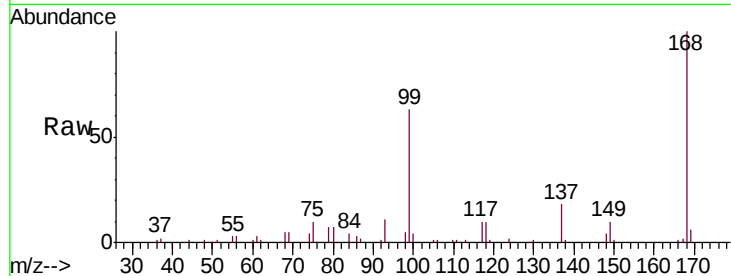
Tgt Ion:117 Resp: 10416

Ion Ratio Lower Upper

117 100

119 5.9 74.4 111.6#

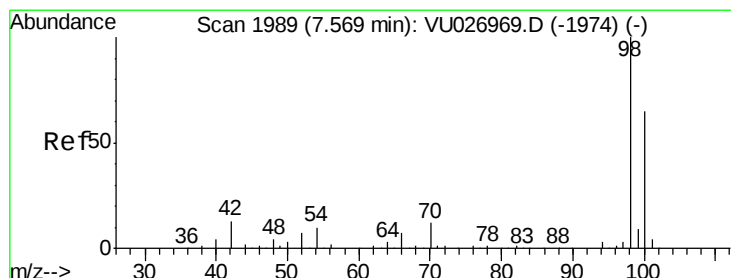
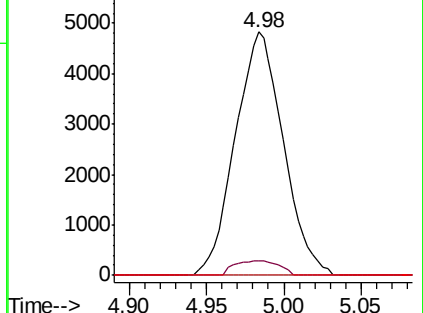
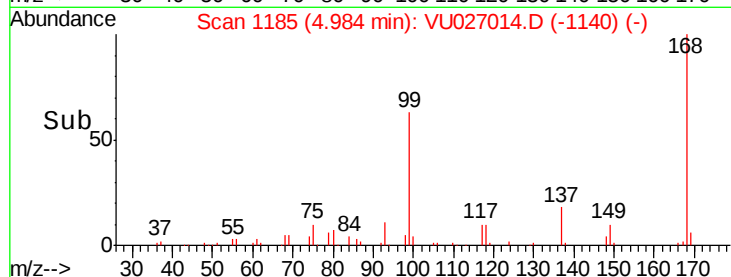
121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 45.838 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU027014.D

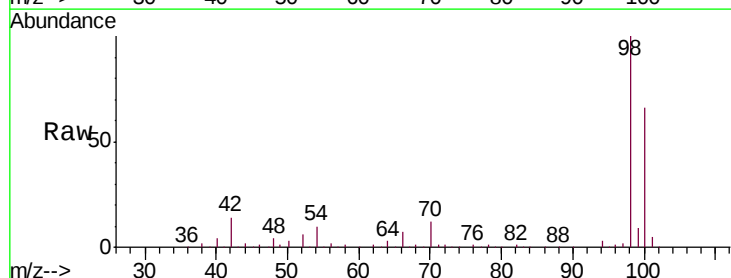
Acq: 22 Sep 2018 14:33

Tgt Ion: 98 Resp: 257832

Ion Ratio Lower Upper

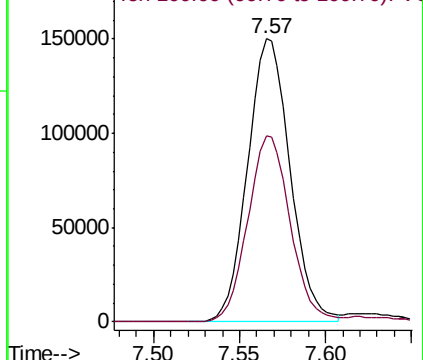
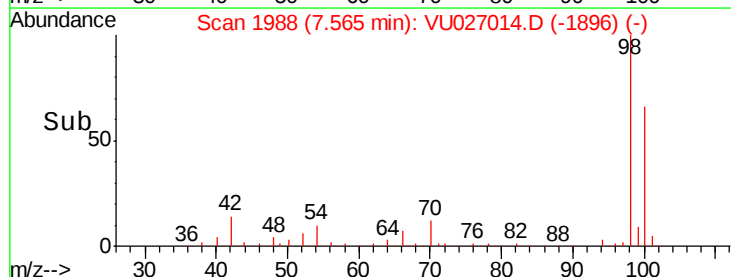
98 100

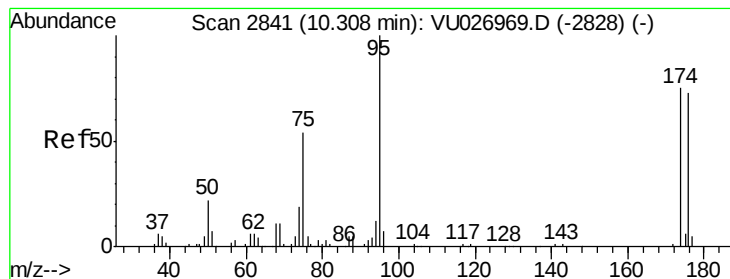
100 65.4 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#62

4-Bromofluorobenzene

Concen: 43.543 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027014.D

Acq: 22 Sep 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBL03

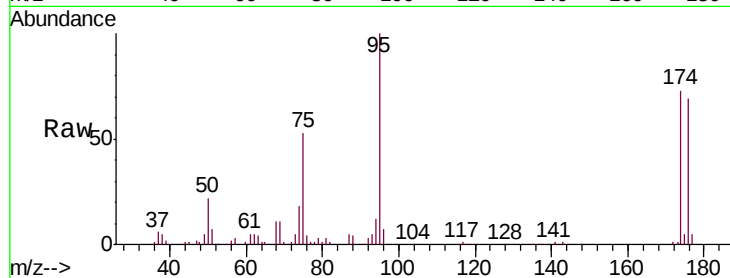
Tgt Ion: 95 Resp: 84041

Ion Ratio Lower Upper

95 100

174 73.5 0.0 150.2

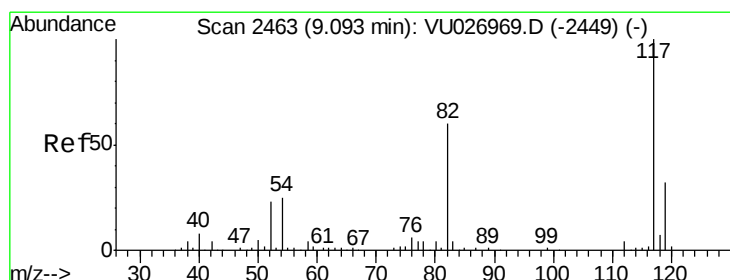
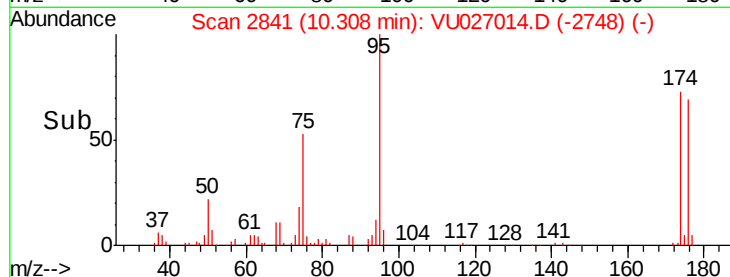
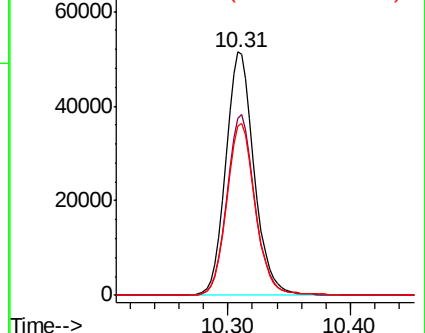
176 71.0 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU026969.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU026969.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU026969.D (-2828) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VU027014.D

Acq: 22 Sep 2018 14:33

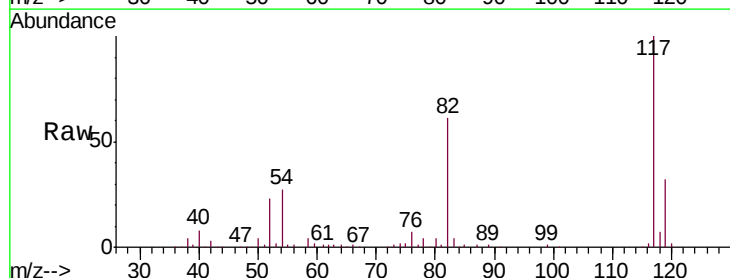
Tgt Ion: 117 Resp: 160576

Ion Ratio Lower Upper

117 100

82 61.4 48.0 72.0

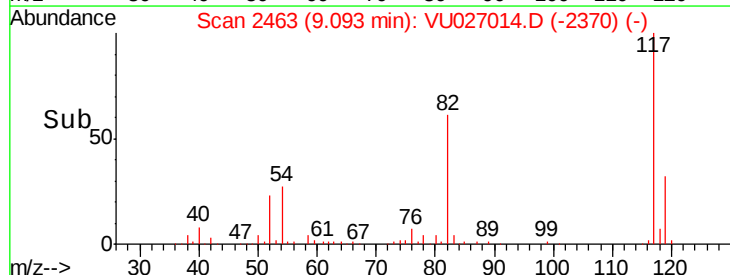
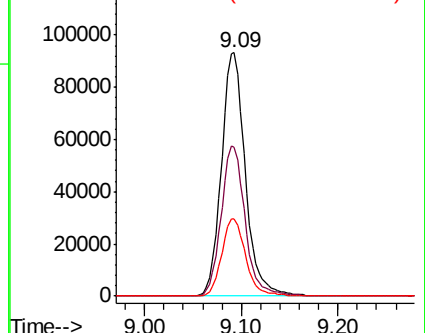
119 31.9 25.8 38.8

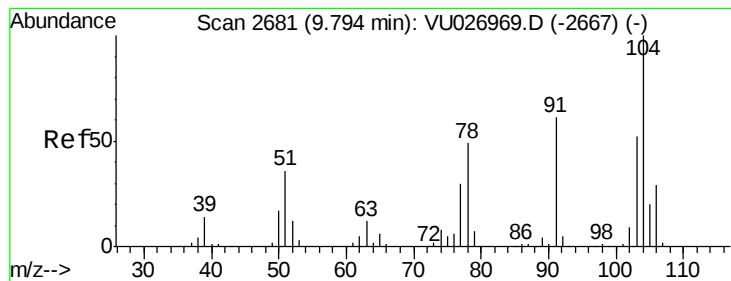


Abundance Ion 116.90 (116.60 to 117.60): VU026969.D (-2449) (-)

Ion 82.00 (81.70 to 82.70): VU026969.D (-2449) (-)

Ion 118.90 (118.60 to 119.60): VU026969.D (-2449) (-)





#70

Styrene

Concen: 1.838 ug/l

RT: 9.81 min Scan# 2686

Delta R.T. 0.02 min

Lab File: VU027014.D

Acq: 22 Sep 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBL03

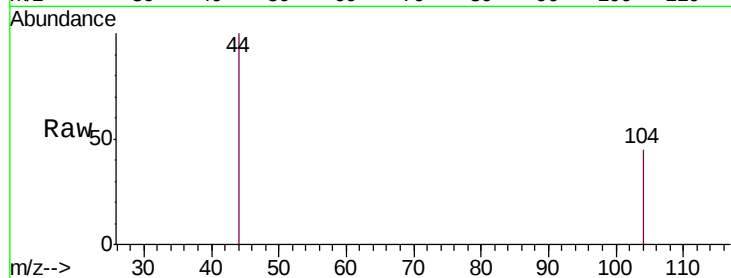
Tgt Ion:104 Resp: 136

Ion Ratio Lower Upper

104 100

78 0.0 43.0 64.4#

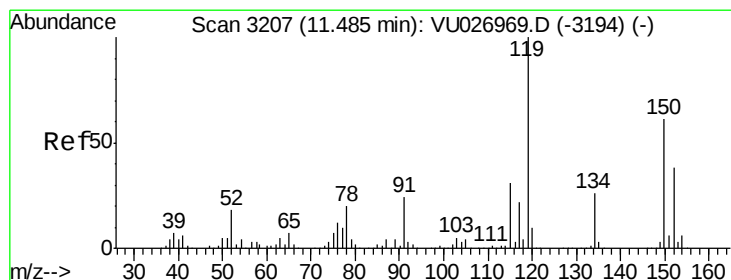
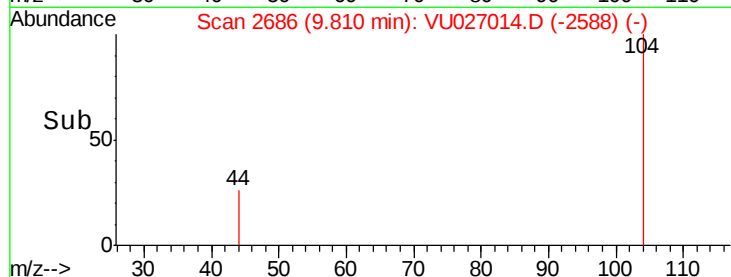
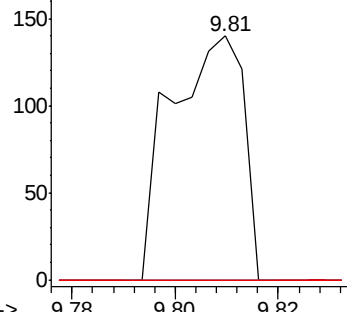
103 0.0 44.1 66.1#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): 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: VU027014.D

Acq: 22 Sep 2018 14:33

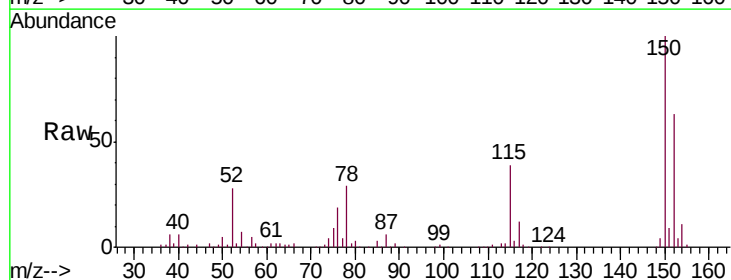
Tgt Ion:152 Resp: 68525

Ion Ratio Lower Upper

152 100

115 60.7 44.9 134.5

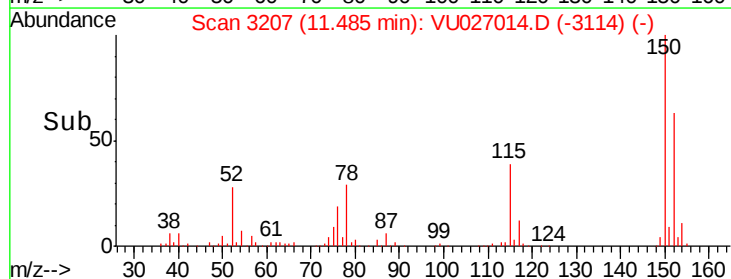
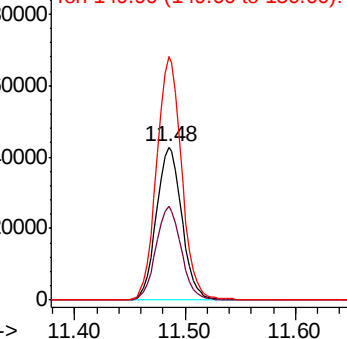
150 156.2 0.0 355.8

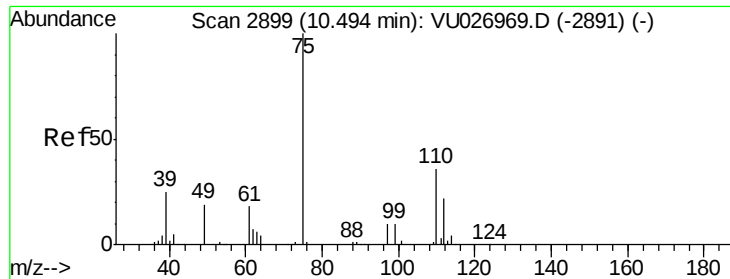


Abundance Ion 151.90 (151.60 to 152.60): V

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: VU027014.D

Acq: 22 Sep 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

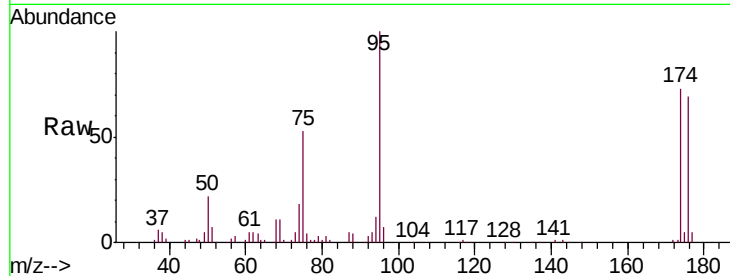
VU0922WBL03

Tgt Ion: 75 Resp: 44839

Ion Ratio Lower Upper

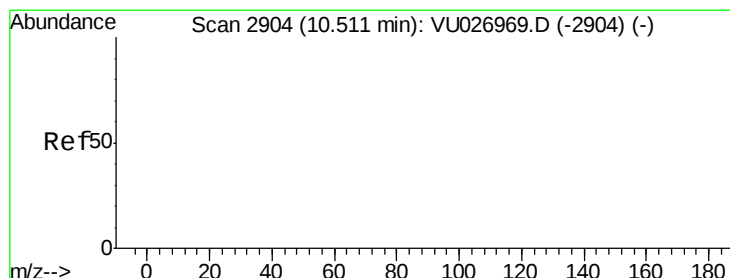
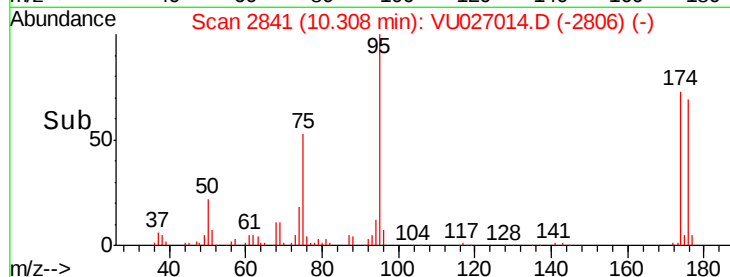
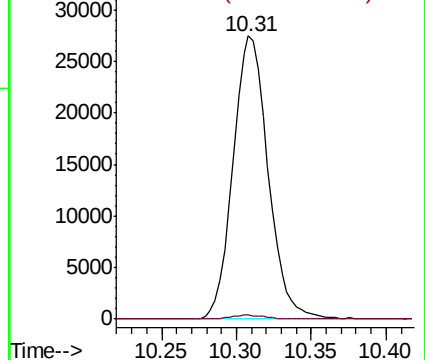
75 100

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: 68.928 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027014.D

Acq: 22 Sep 2018 14:33

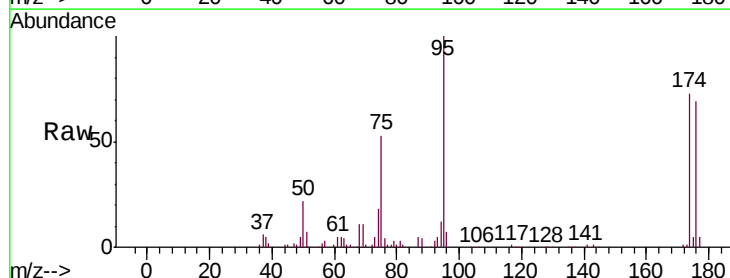
Tgt Ion: 75 Resp: 44839

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

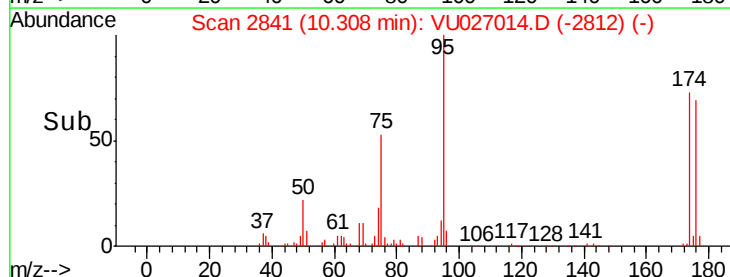
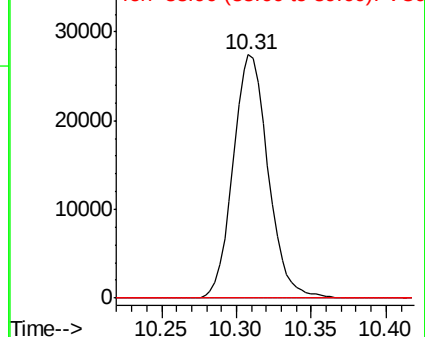
89 0.0 0.0 0.0

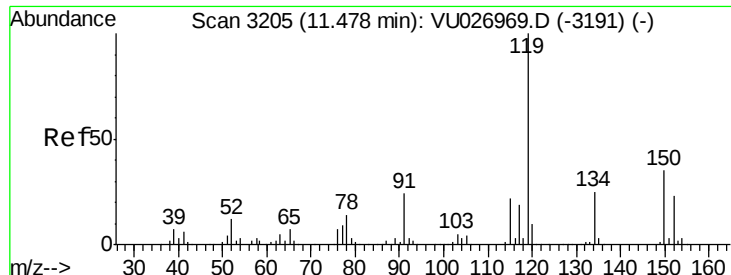


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

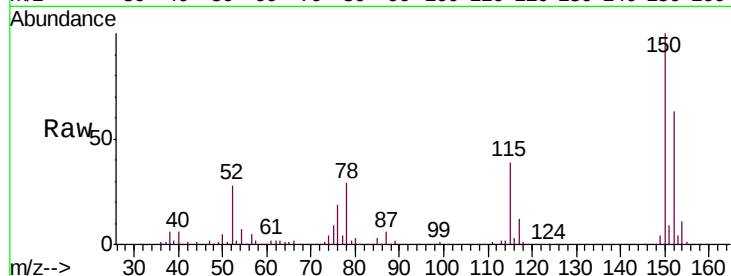




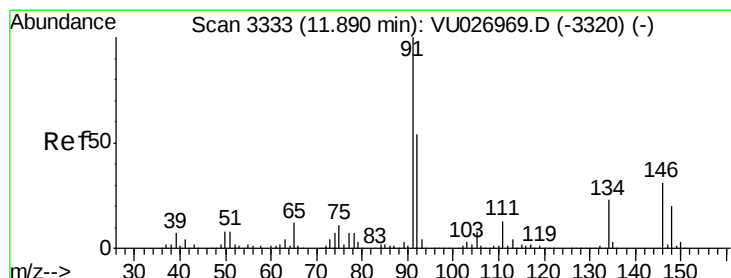
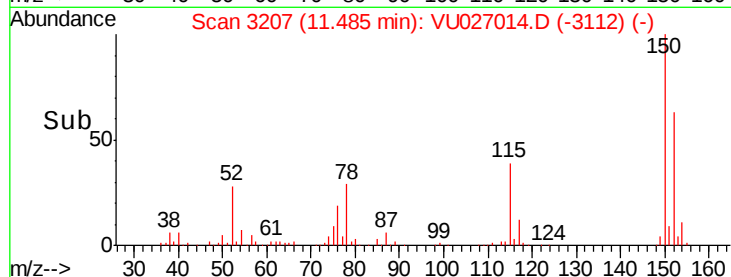
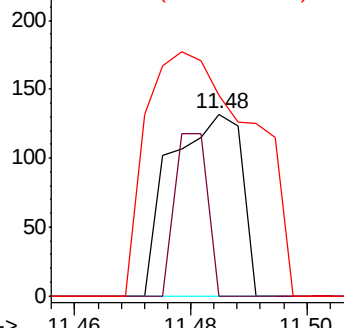
#86
p-Isopropyltoluene
Concen: 0.950 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.01 min
Lab File: VU027014.D
Acq: 22 Sep 2018 14:33

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBL03

Tgt Ion: 119 Resp: 112
Ion Ratio Lower Upper
119 100
134 41.1 12.8 38.3#
91 200.0 12.3 36.8#

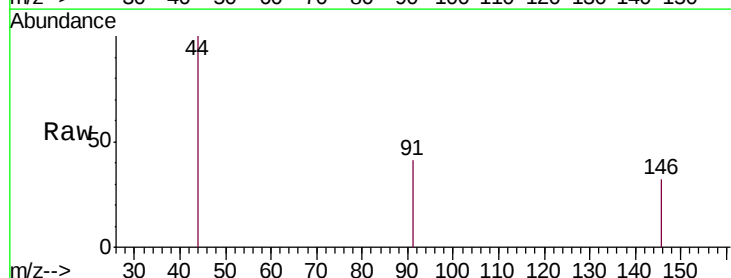


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

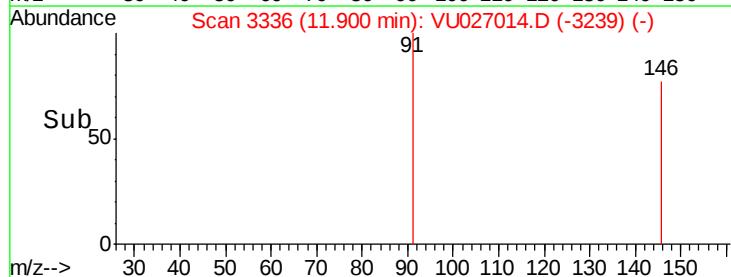
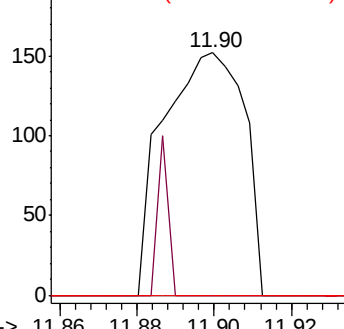


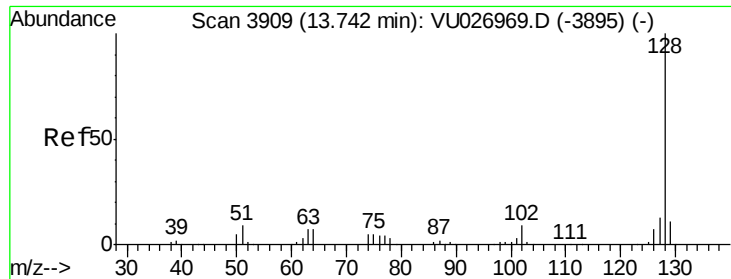
#89
n-Butylbenzene
Concen: 2.437 ug/l
RT: 11.90 min Scan# 3336
Delta R.T. 0.01 min
Lab File: VU027014.D
Acq: 22 Sep 2018 14:33

Tgt Ion: 91 Resp: 222
Ion Ratio Lower Upper
91 100
92 8.6 27.1 81.2#
134 0.0 11.7 35.0#



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.00 (133.70 to 134.70): V





#95

Naphthalene

Concen: 1.821 ug/l

RT: 13.76 min Scan# 3916

Delta R.T. 0.02 min

Lab File: VU027014.D

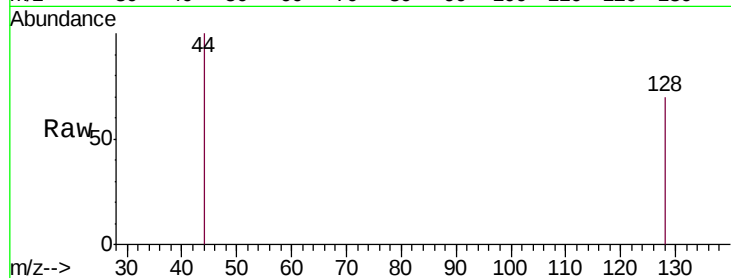
Acq: 22 Sep 2018 14:33

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBL03



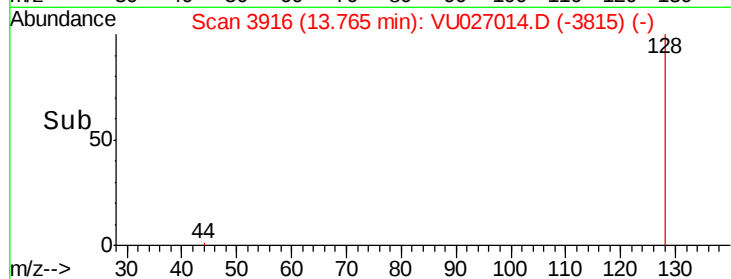
Tgt Ion:128 Resp: 774

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

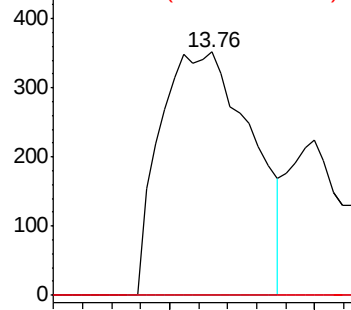
129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->