

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092218\
 Data File : VU026994.D
 Acq On : 22 Sep 2018 04:12
 Operator : MD/SY
 Sample : VU0922WBL02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBL02

Quant Time: Sep 22 04:42:29 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	76653	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	151694	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	153217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	73918	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	91048	59.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.04%	
35) Dibromofluoromethane	4.88	113	67935	51.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.34%	
50) Toluene-d8	7.57	98	237855	47.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.94%	
62) 4-Bromofluorobenzene	10.31	95	83629	48.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.28%	

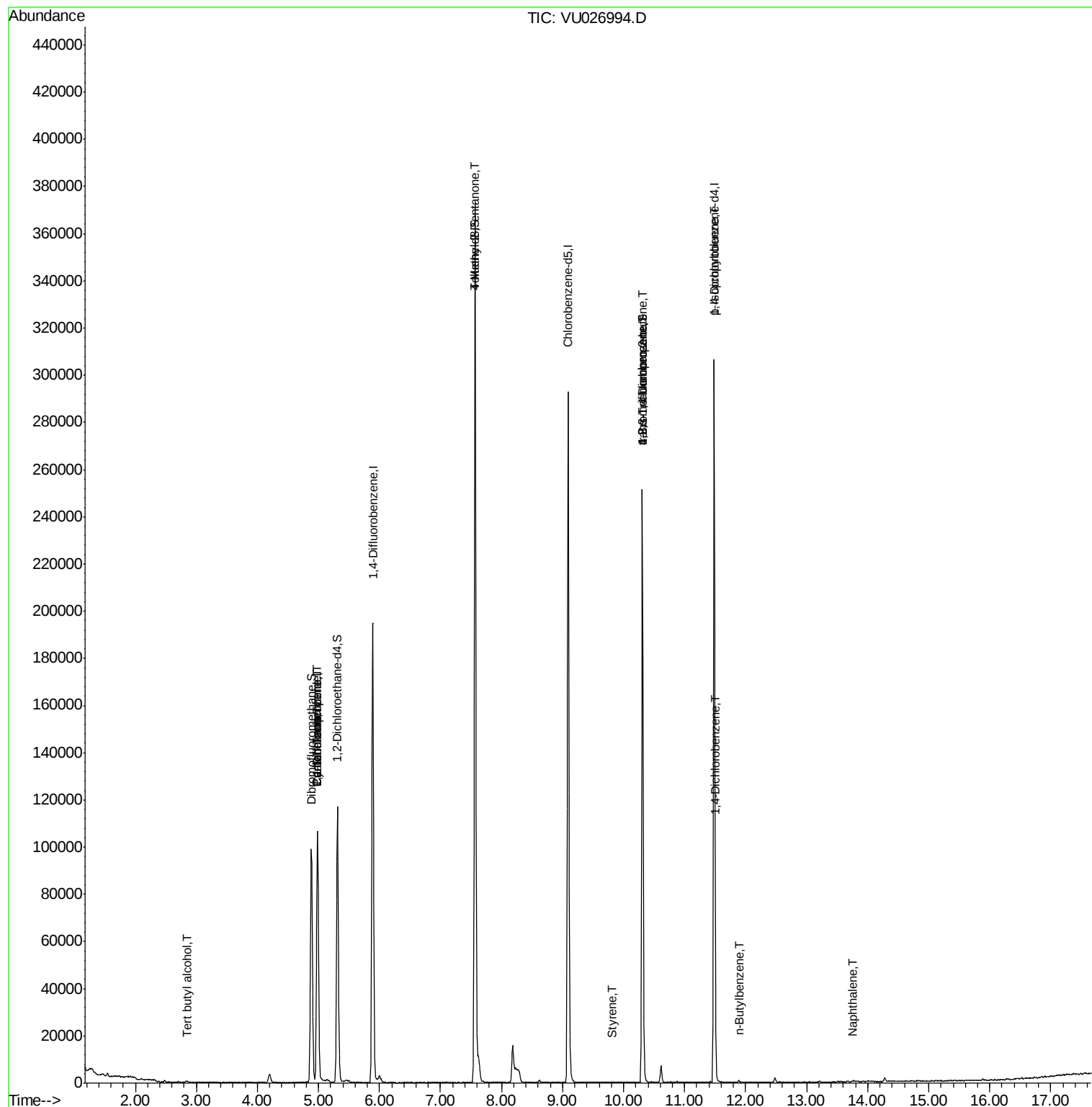
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.83	59	170	0.481	ug/l #	72
16) Acetone	2.32	43	721	Below Cal		95
31) Cyclohexane	4.98	56	1962	0.281	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	7318	3.615	ug/l #	46
38) Carbon Tetrachloride	4.99	117	8158	4.234	ug/l #	18
51) 4-Methyl-2-Pentanone	7.57	43	1268	0.472	ug/l #	1
70) Styrene	9.80	104	22	1.815	ug/l #	24
76) 1,2,3-Trichloropropane	10.31	75	44623	19.871	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	44623	63.591	ug/l #	100
86) p-Isopropyltoluene	11.48	119	96	0.945	ug/l #	1
88) 1,4-Dichlorobenzene	11.51	146	652	0.234	ug/l #	73
89) n-Butylbenzene	11.89	91	250	2.439	ug/l #	40
95) Naphthalene	13.75	128	179	1.717	ug/l #	69

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

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QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU026994.D

Acq: 22 Sep 2018 04:12

Instrument :

MSVOA_U

ClientSampleId :

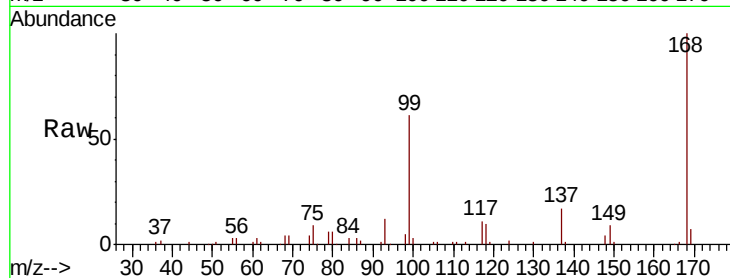
VU0922WBL02

Tgt Ion:168 Resp: 76653

Ion Ratio Lower Upper

168 100

99 61.0 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026994.D (-1093) (-)

4.99

30000

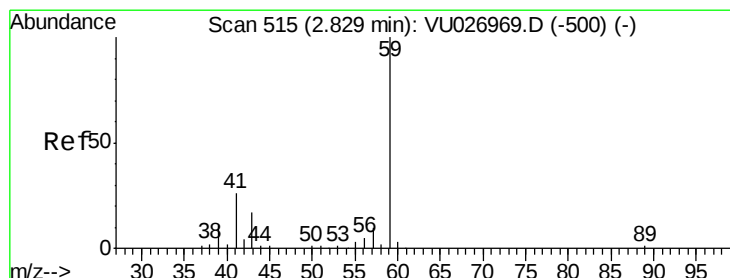
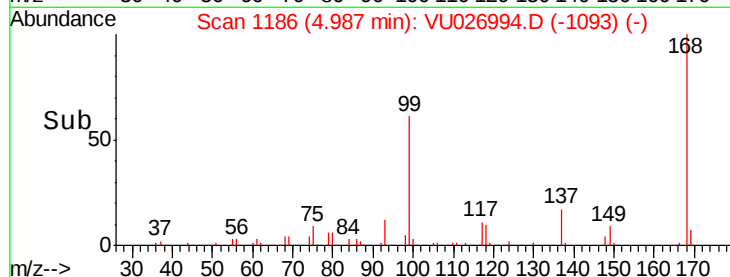
20000

10000

0

4.90 5.00 5.10

Time-->



#11

Tert butyl alcohol

Concen: 0.481 ug/l

RT: 2.83 min Scan# 515

Delta R.T. 0.00 min

Lab File: VU026994.D

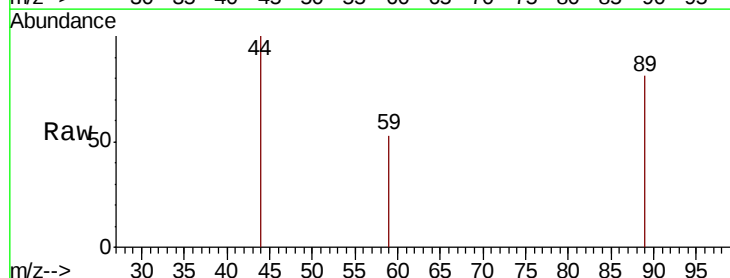
Acq: 22 Sep 2018 04:12

Tgt Ion: 59 Resp: 170

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



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

Ion 57.00 (56.70 to 57.70): VU026994.D (-422) (-)

2.83

200

150

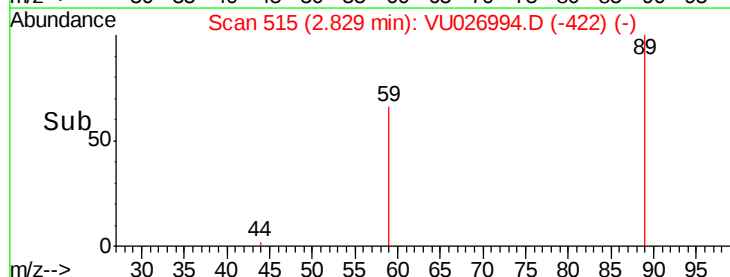
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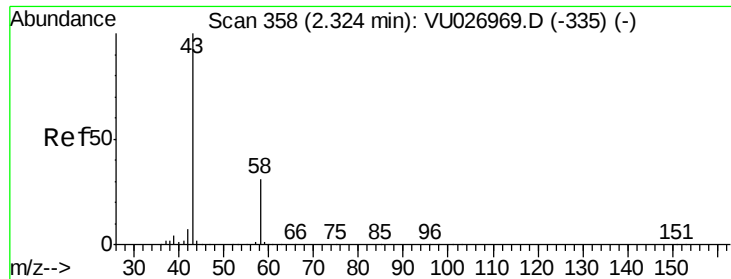
50

0

2.81 2.82 2.83 2.84

Time-->





#16

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 356

Delta R.T. -0.01 min

Lab File: VU026994.D

Acq: 22 Sep 2018 04:12

Instrument :

MSVOA_U

ClientSampleId :

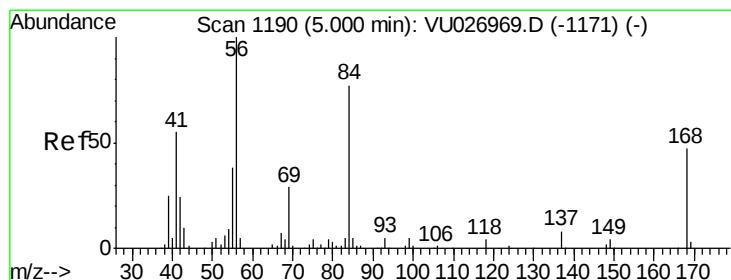
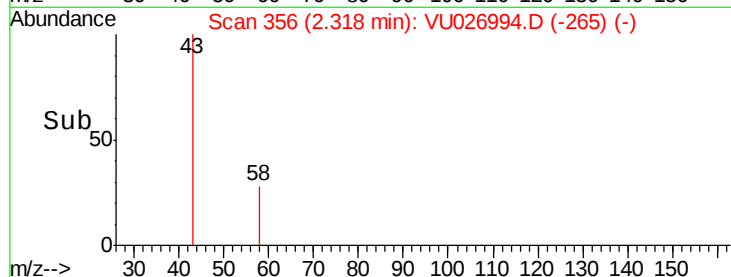
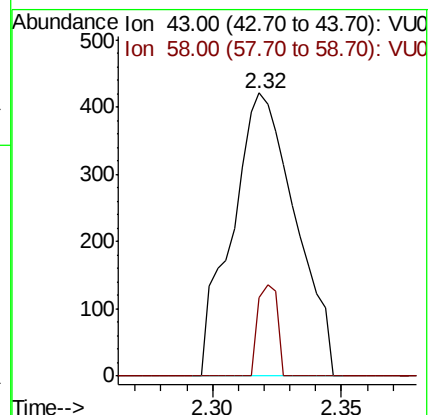
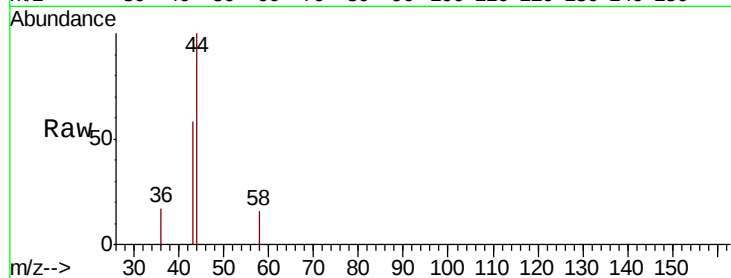
VU0922WBL02

Tgt Ion: 43 Resp: 721

Ion Ratio Lower Upper

43 100

58 27.8 24.6 36.8



#31

Cyclohexane

Concen: 0.281 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.02 min

Lab File: VU026994.D

Acq: 22 Sep 2018 04:12

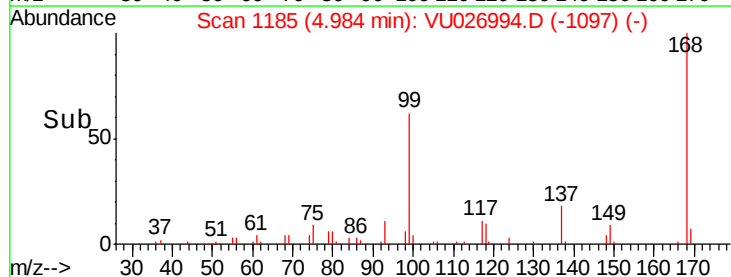
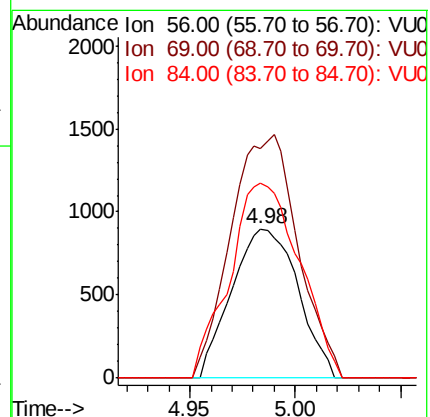
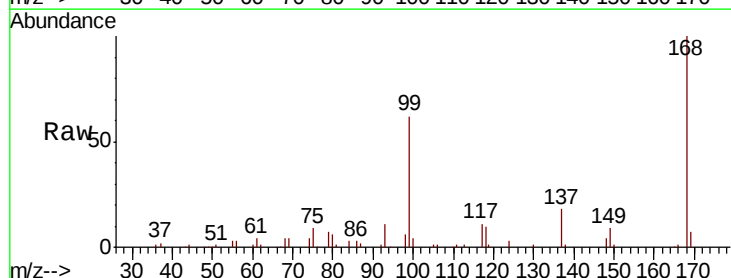
Tgt Ion: 56 Resp: 1962

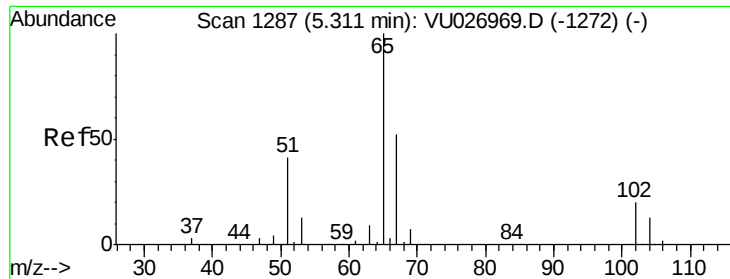
Ion Ratio Lower Upper

56 100

69 154.1 23.0 34.4#

84 130.5 61.4 92.2#

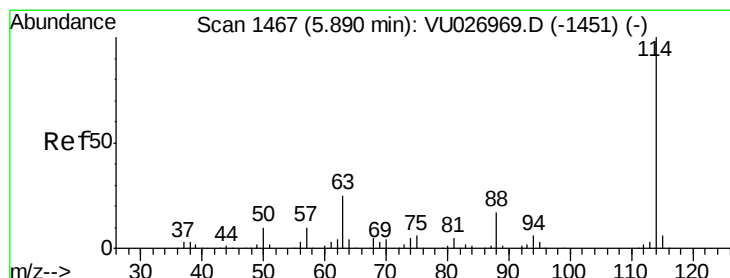
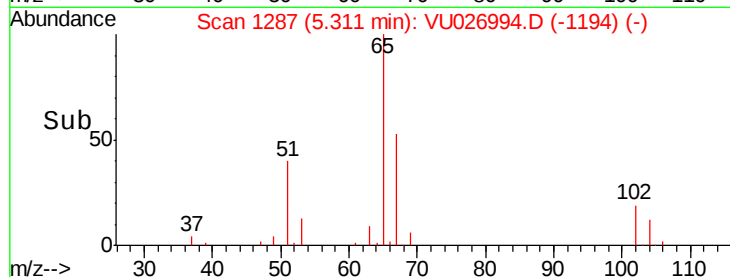
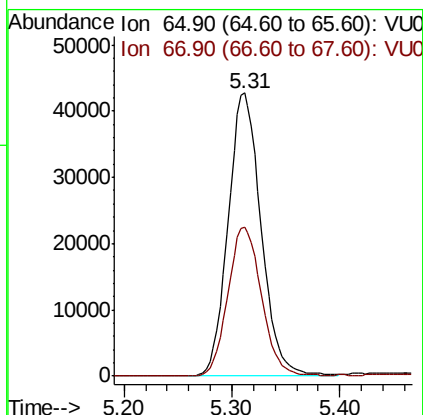
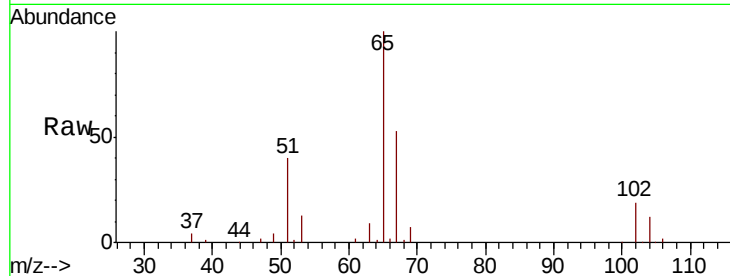




#33
 1,2-Dichloroethane-d4
 Concen: 59.016 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU026994.D
 Acq: 22 Sep 2018 04:12

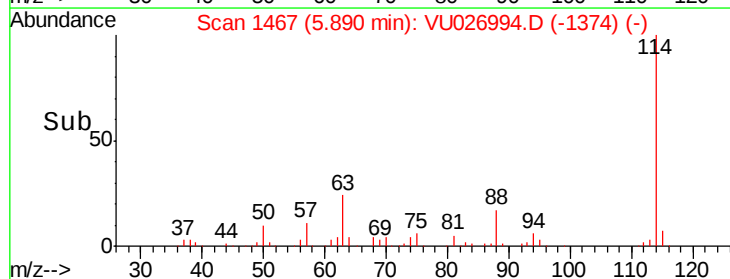
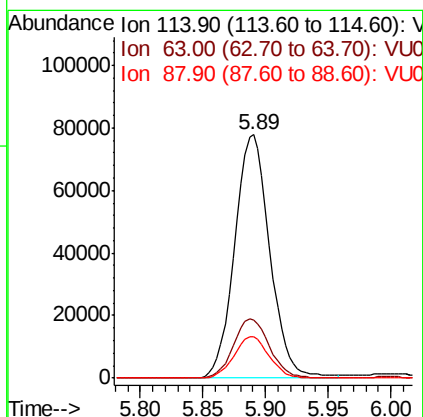
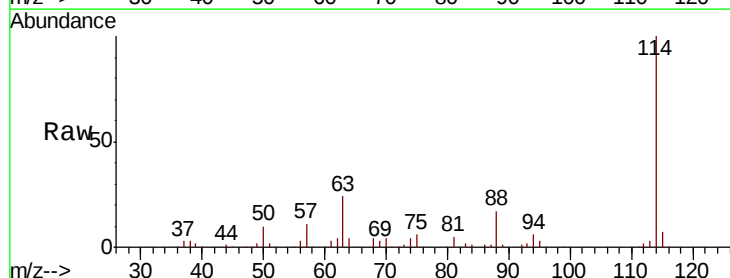
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBL02

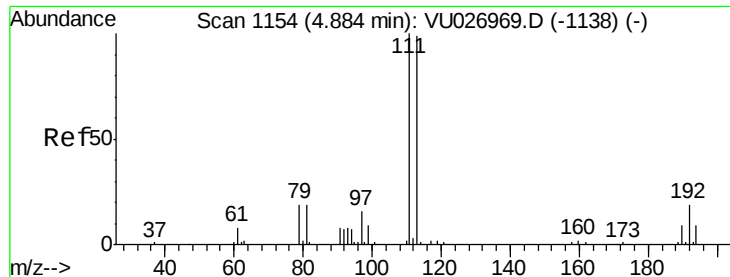
Tgt Ion: 65 Resp: 91048
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU026994.D
 Acq: 22 Sep 2018 04:12

Tgt Ion: 114 Resp: 151694
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 49.2
 88 17.1 0.0 33.8

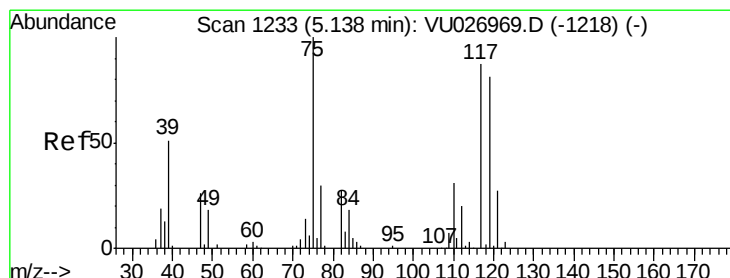
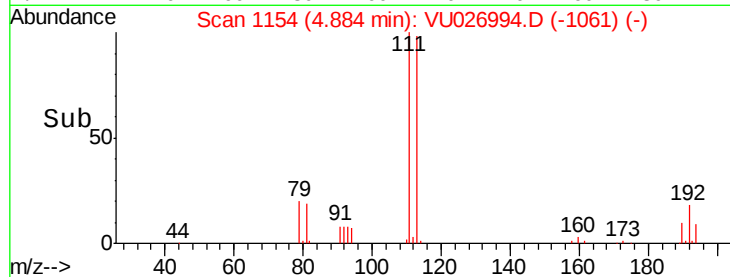
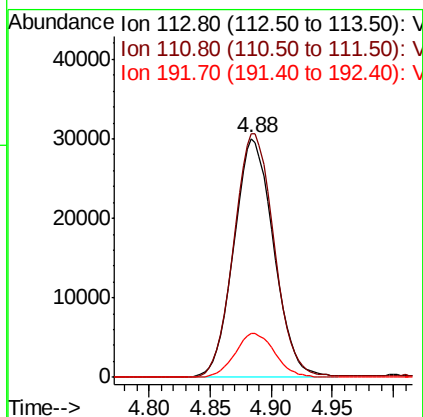
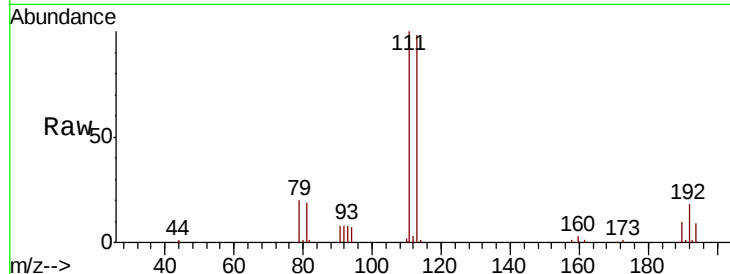




#35
 Dibromofluoromethane
 Concen: 51.666 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU026994.D
 Acq: 22 Sep 2018 04:12

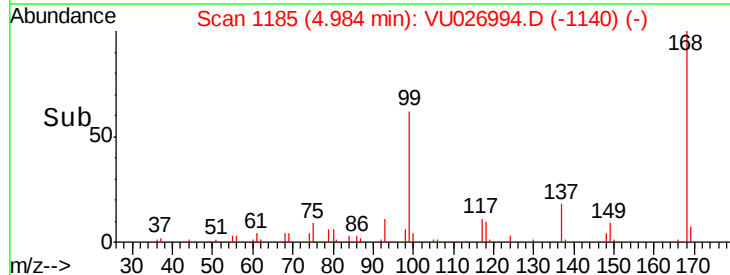
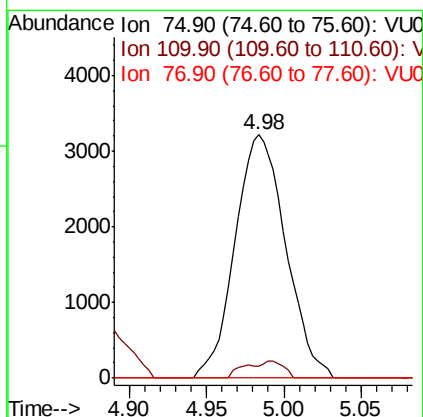
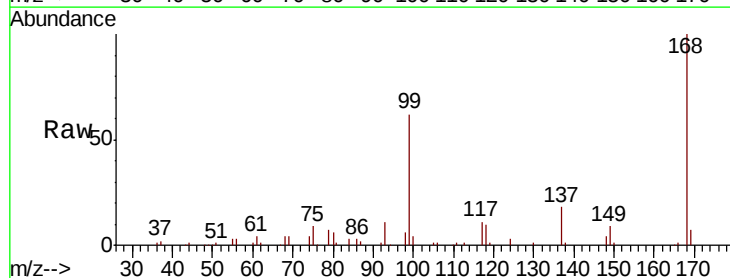
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBL02

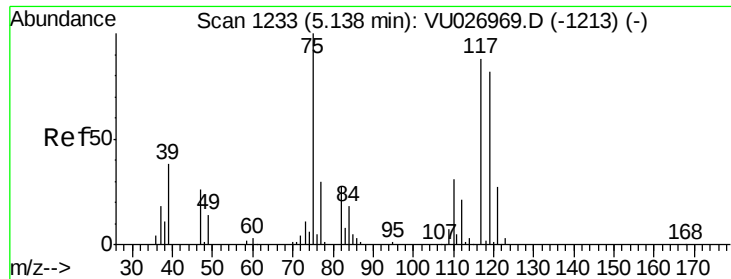
Tgt Ion:113 Resp: 67935
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.2 123.4
 192 18.4 15.2 22.8



#36
 1,1-Dichloropropene
 Concen: 3.615 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU026994.D
 Acq: 22 Sep 2018 04:12

Tgt Ion: 75 Resp: 7318
 Ion Ratio Lower Upper
 75 100
 110 2.8 16.1 48.2#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 4.234 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU026994.D

Acq: 22 Sep 2018 04:12

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBL02

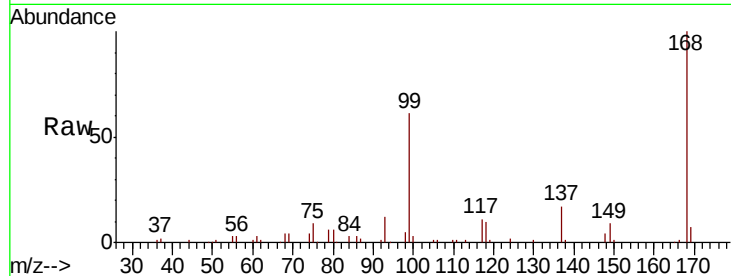
Tgt Ion:117 Resp: 8158

Ion Ratio Lower Upper

117 100

119 6.5 74.4 111.6#

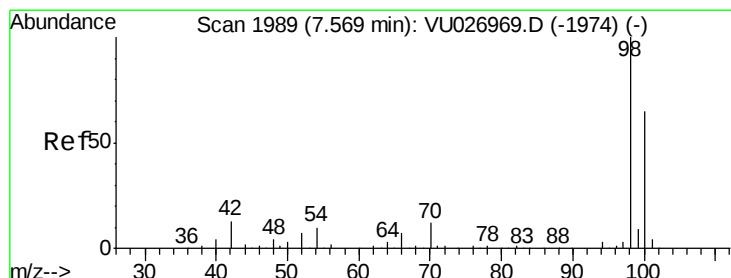
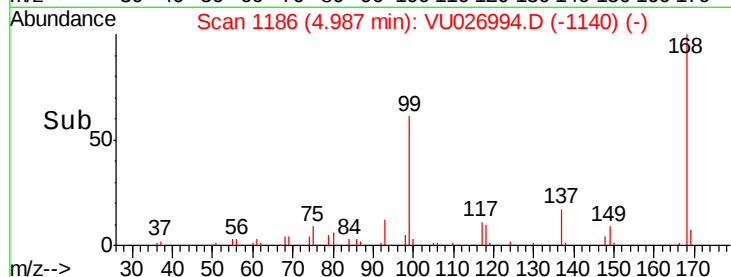
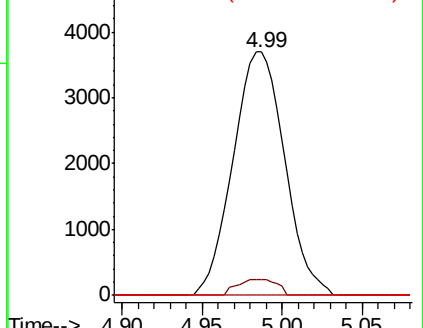
121 0.0 24.2 36.4#



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: 47.466 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU026994.D

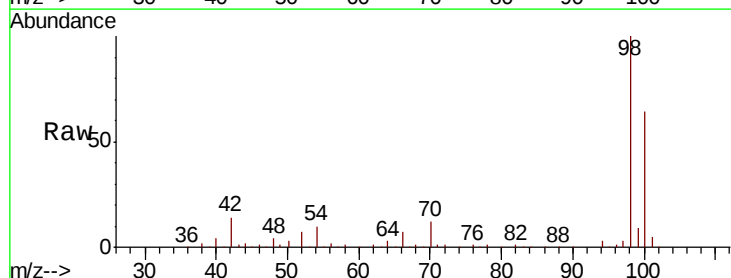
Acq: 22 Sep 2018 04:12

Tgt Ion: 98 Resp: 237855

Ion Ratio Lower Upper

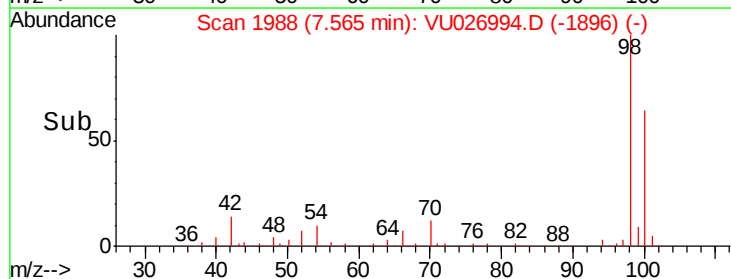
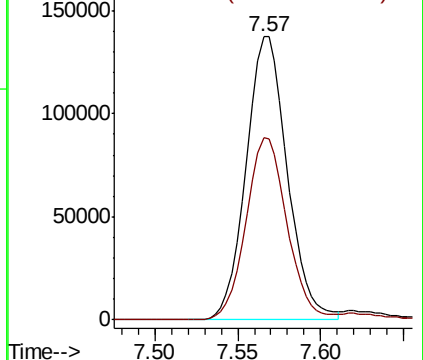
98 100

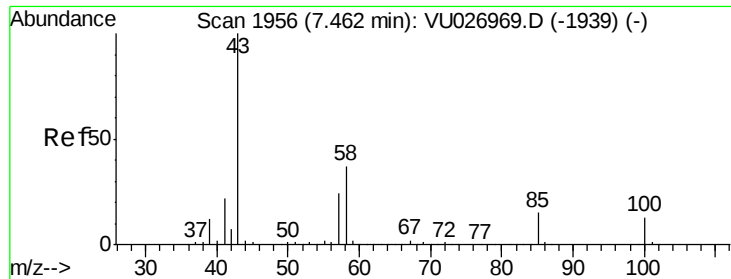
100 63.7 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

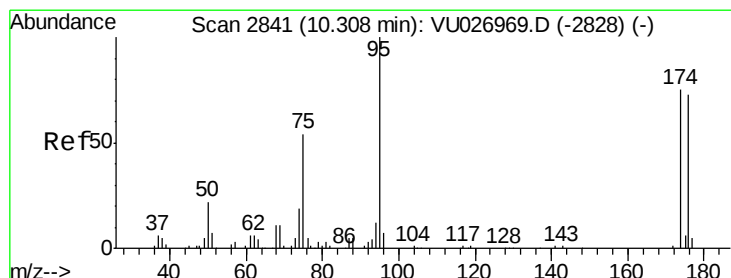
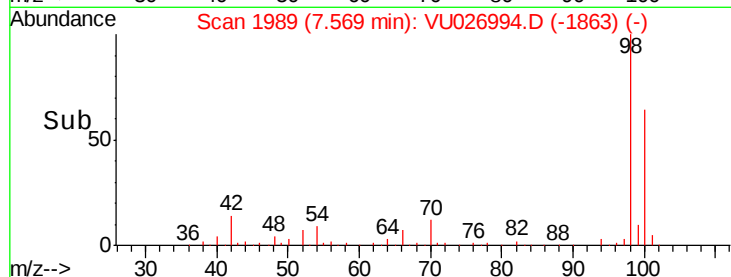
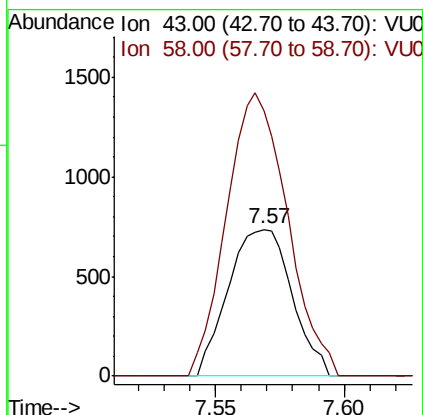
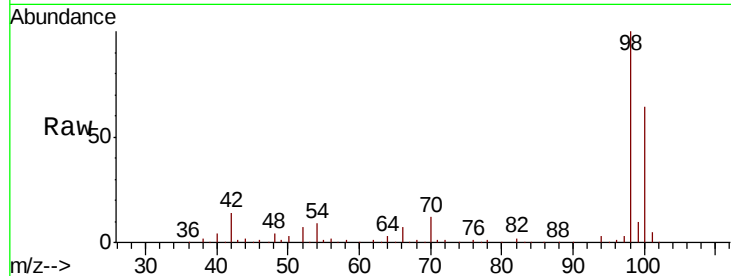




#51
 4-Methyl-2-Pentanone
 Concen: 0.472 ug/l
 RT: 7.57 min Scan# 1989
 Delta R.T. 0.11 min
 Lab File: VU026994.D
 Acq: 22 Sep 2018 04:12

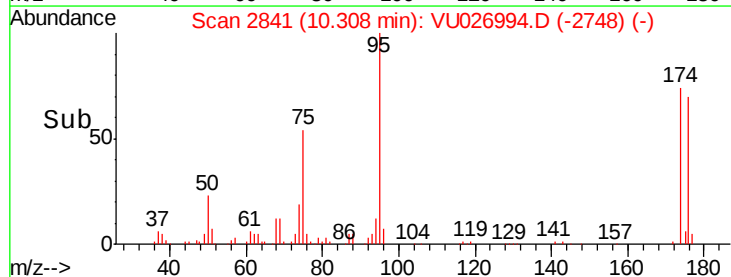
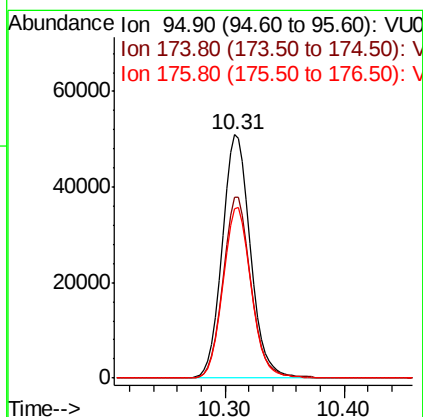
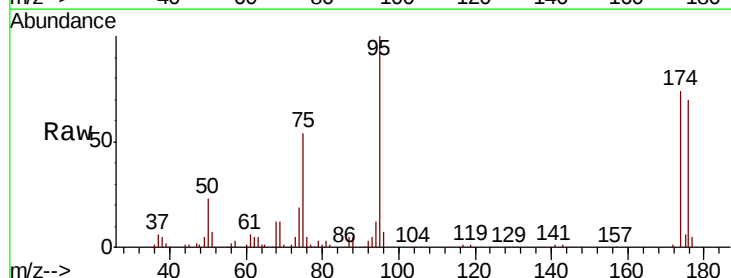
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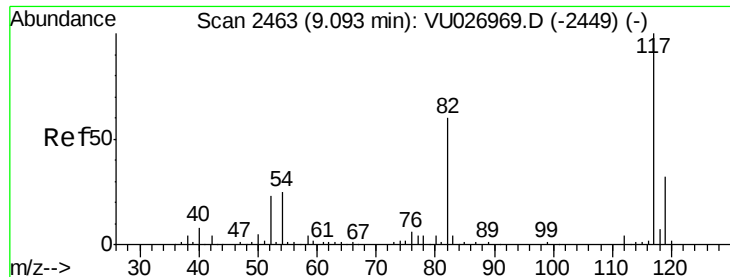
Tgt Ion: 43 Resp: 1268
 Ion Ratio Lower Upper
 43 100
 58 184.8 29.8 44.6#



#62
 4-Bromofluorobenzene
 Concen: 48.637 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU026994.D
 Acq: 22 Sep 2018 04:12

Tgt Ion: 95 Resp: 83629
 Ion Ratio Lower Upper
 95 100
 174 73.7 0.0 150.2
 176 70.3 0.0 145.2

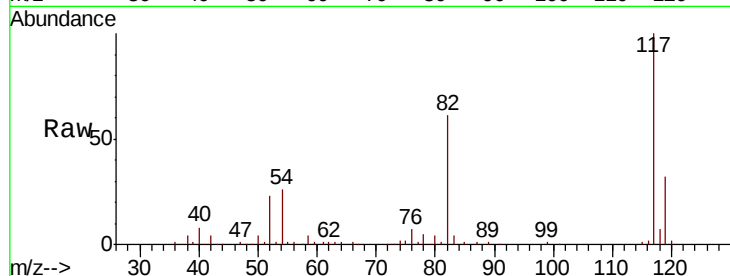




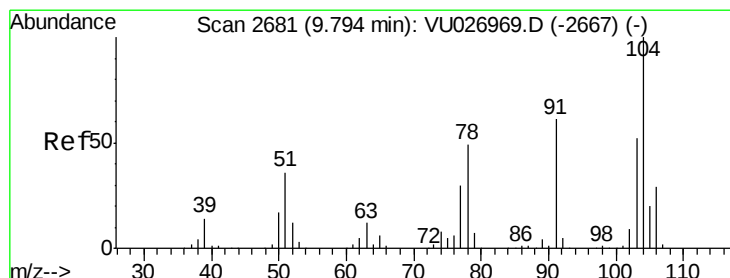
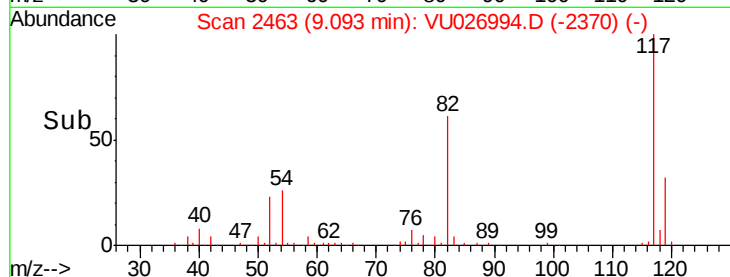
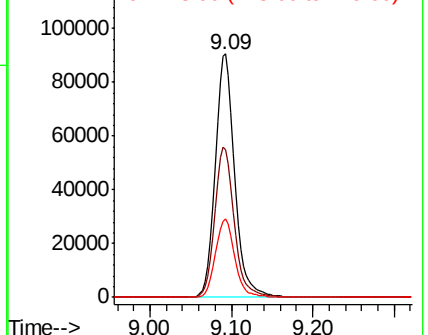
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026994.D
Acq: 22 Sep 2018 04:12

Instrument :
MSVOA_U
ClientSampleId :
VU0922WBL02

Tgt Ion:117 Resp: 153217
Ion Ratio Lower Upper
117 100
82 60.8 48.0 72.0
119 32.1 25.8 38.8

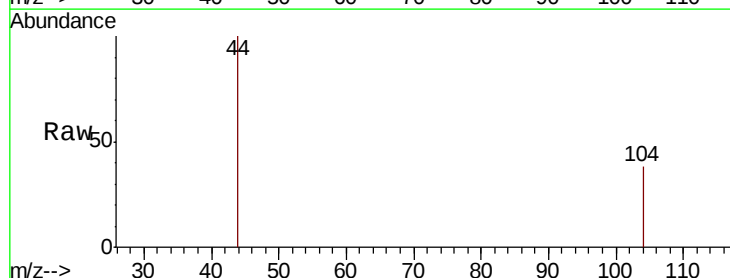


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

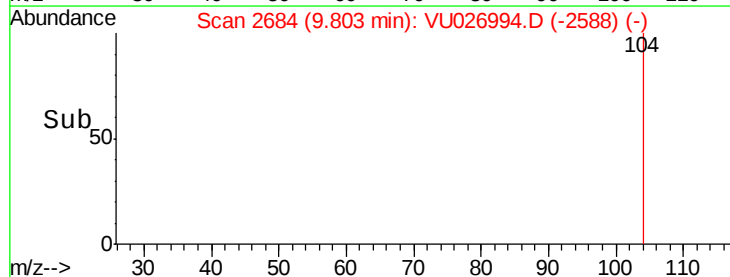
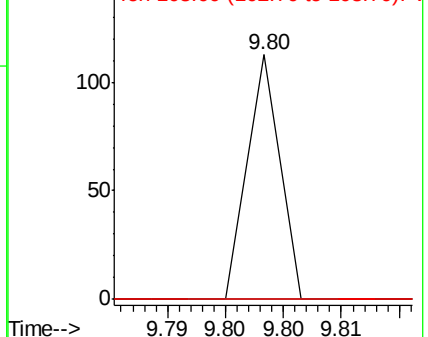


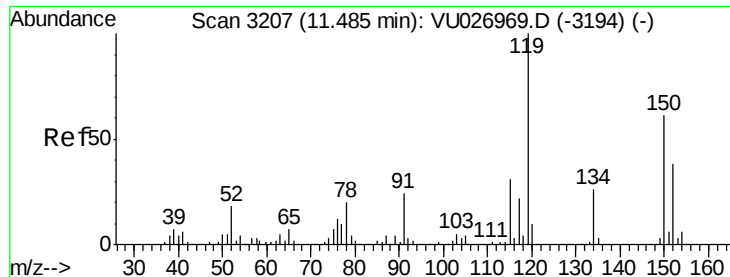
#70
Styrene
Concen: 1.815 ug/l
RT: 9.80 min Scan# 2684
Delta R.T. 0.01 min
Lab File: VU026994.D
Acq: 22 Sep 2018 04:12

Tgt Ion:104 Resp: 22
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: VU026994.D

Acq: 22 Sep 2018 04:12

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBL02

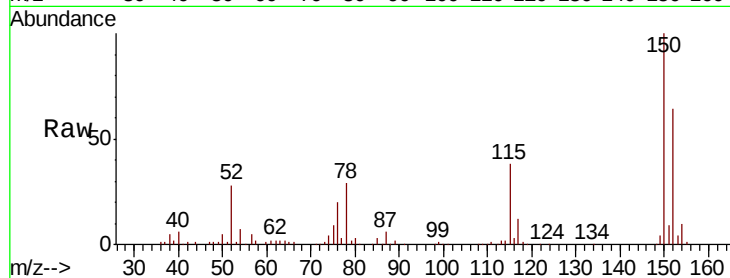
Tgt Ion: 152 Resp: 73918

Ion Ratio Lower Upper

152 100

115 60.3 44.9 134.5

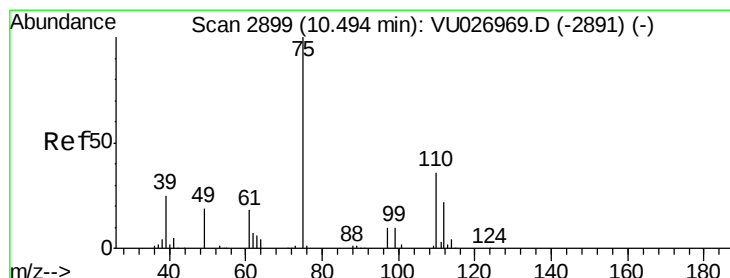
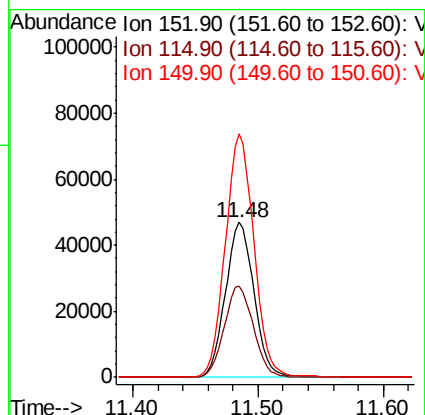
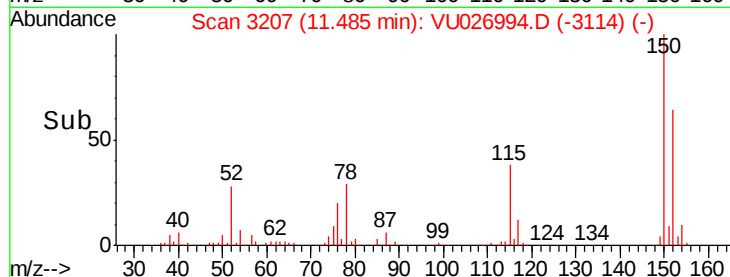
150 157.7 0.0 355.8



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: 19.871 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU026994.D

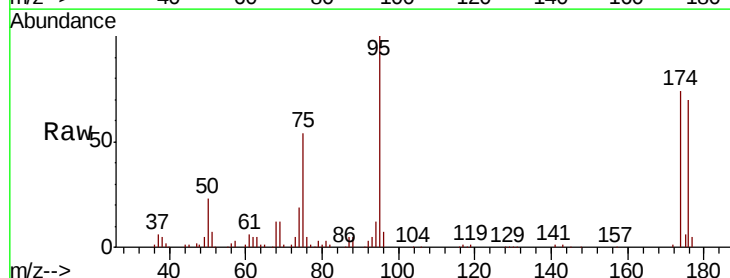
Acq: 22 Sep 2018 04:12

Tgt Ion: 75 Resp: 44623

Ion Ratio Lower Upper

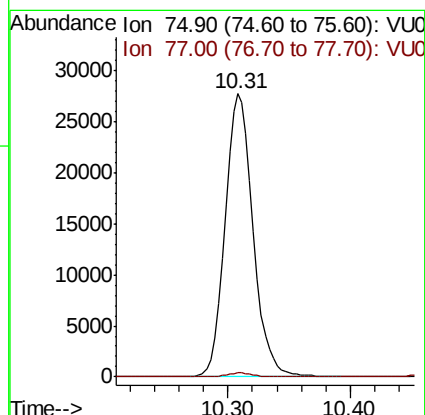
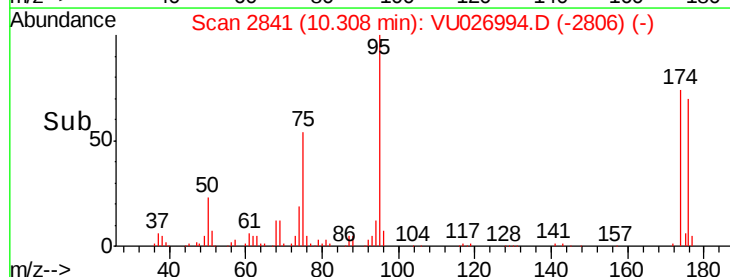
75 100

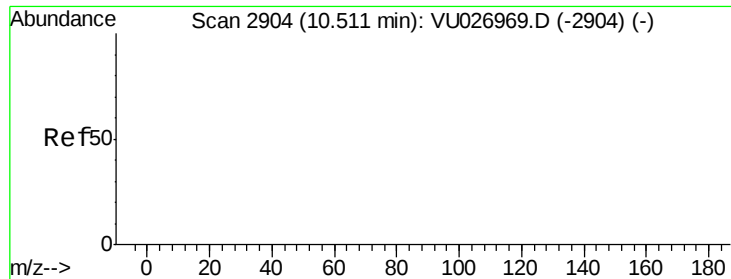
77 1.1 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 63.591 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU026994.D

Acq: 22 Sep 2018 04:12

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBL02

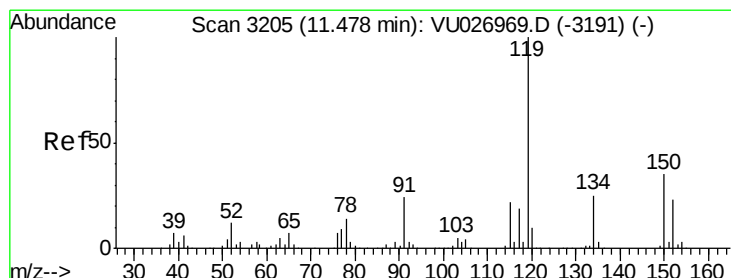
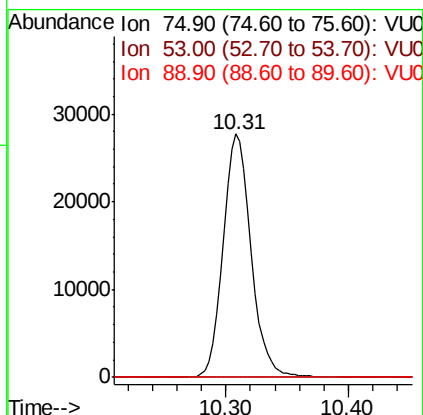
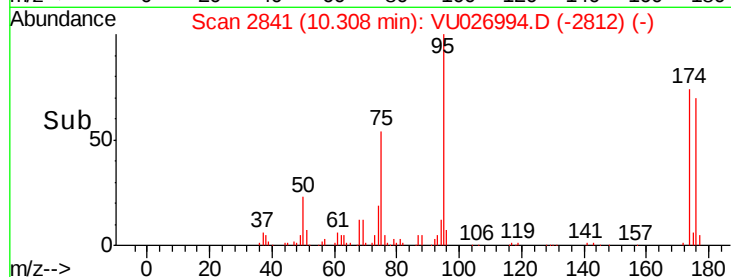
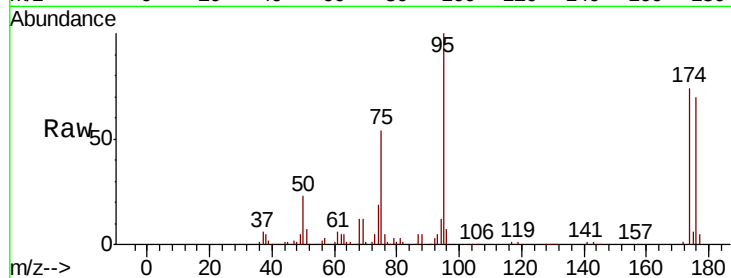
Tgt Ion: 75 Resp: 44623

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#86

p-Isopropyltoluene

Concen: 0.945 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU026994.D

Acq: 22 Sep 2018 04:12

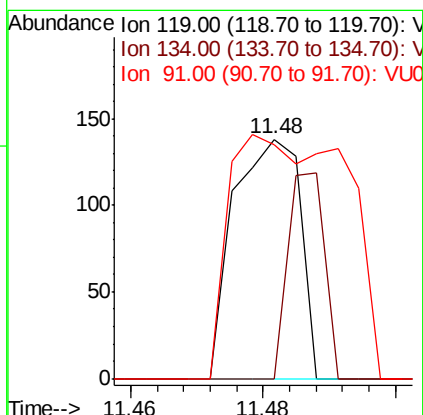
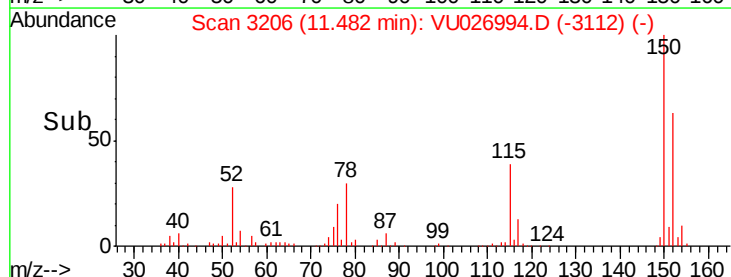
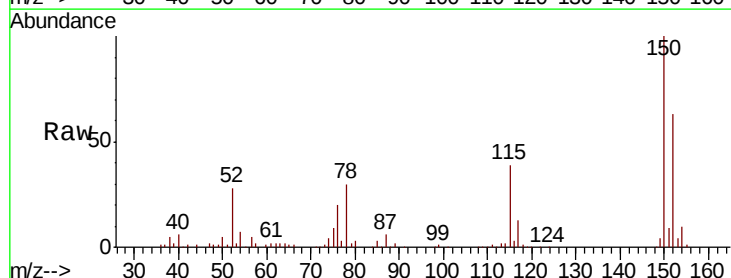
Tgt Ion: 119 Resp: 96

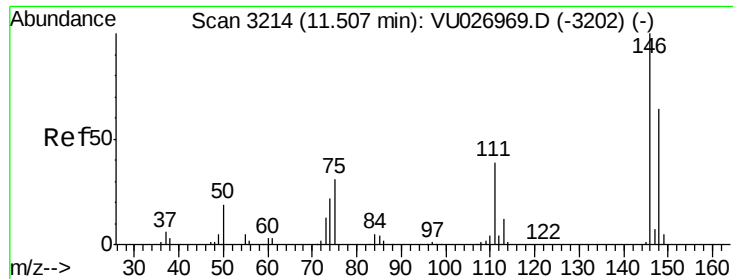
Ion Ratio Lower Upper

119 100

134 47.9 12.8 38.3#

91 180.2 12.3 36.8#





#88

1,4-Dichlorobenzene

Concen: 0.234 ug/l

RT: 11.51 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VU026994.D

Acq: 22 Sep 2018 04:12

Instrument :

MSVOA_U

ClientSampleId :

VU0922WBL02

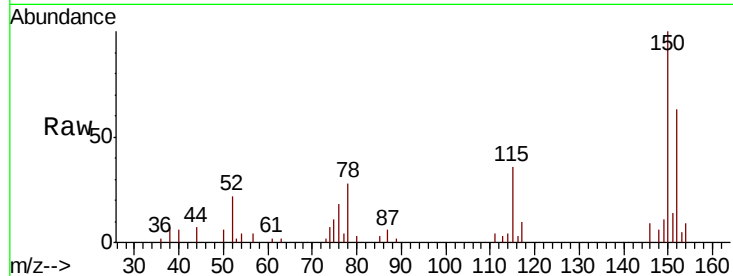
Tgt Ion:146 Resp: 652

Ion Ratio Lower Upper

146 100

111 0.0 20.3 60.9#

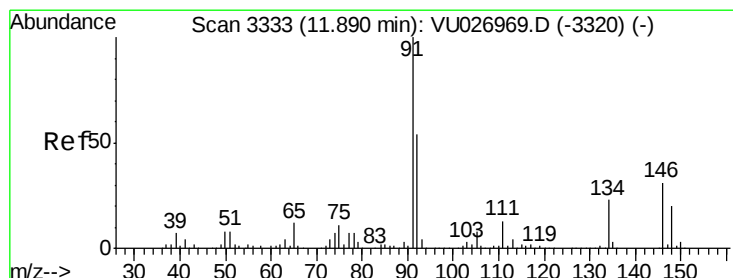
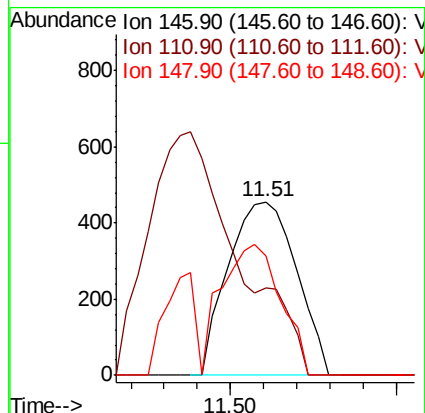
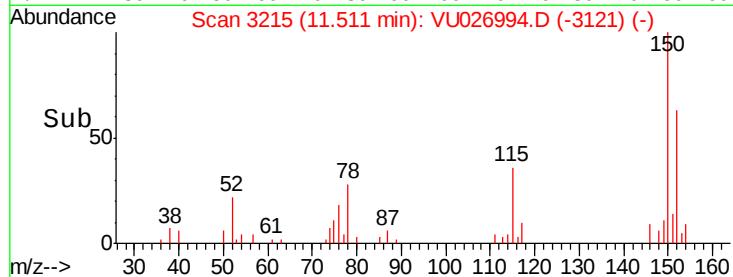
148 65.8 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 2.439 ug/l

RT: 11.89 min Scan# 3334

Delta R.T. 0.00 min

Lab File: VU026994.D

Acq: 22 Sep 2018 04:12

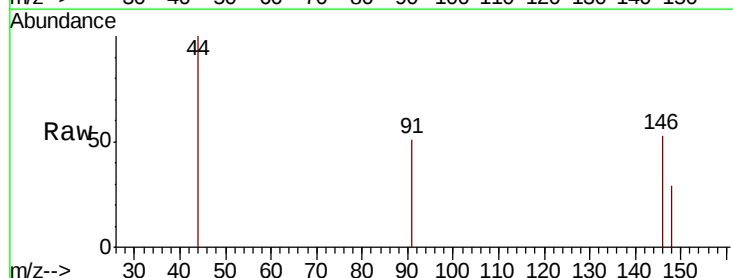
Tgt Ion: 91 Resp: 250

Ion Ratio Lower Upper

91 100

92 7.6 27.1 81.2#

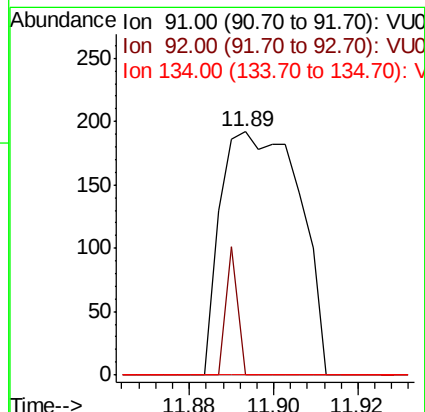
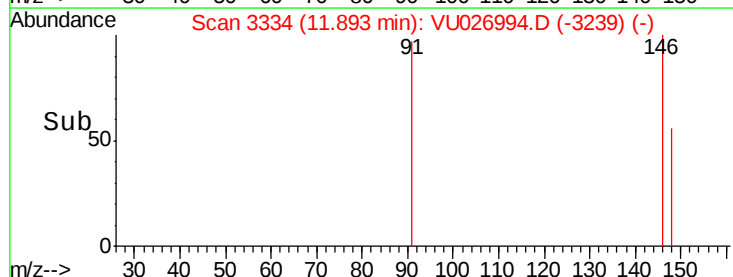
134 0.0 11.7 35.0#

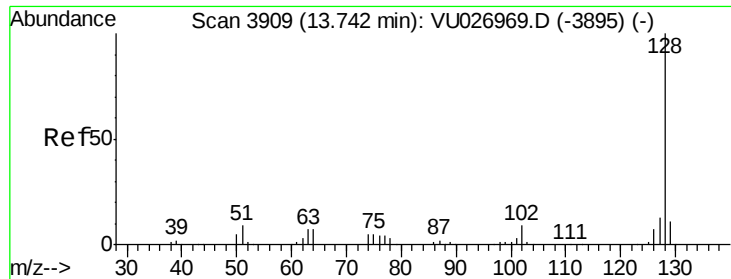


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V





#95
 Naphthalene
 Concen: 1.717 ug/l
 RT: 13.75 min Scan# 3911
 Delta R.T. 0.01 min
 Lab File: VU026994.D
 Acq: 22 Sep 2018 04:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0922WBL02

Tgt Ion:128 Resp: 179
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 15.8#
 129 0.0 8.6 12.8#

