

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091218\
 Data File : VU026683.D
 Acq On : 11 Sep 2018 17:01
 Operator : MD/SY
 Sample : VU0911MBL01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBL01

Quant Time: Sep 12 05:38:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 05:32:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	95588	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	165589	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	161030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	86131	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	80659	55.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.26%	
35) Dibromofluoromethane	4.88	113	70414	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
50) Toluene-d8	7.57	98	243499	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
62) 4-Bromofluorobenzene	10.31	95	85301	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	

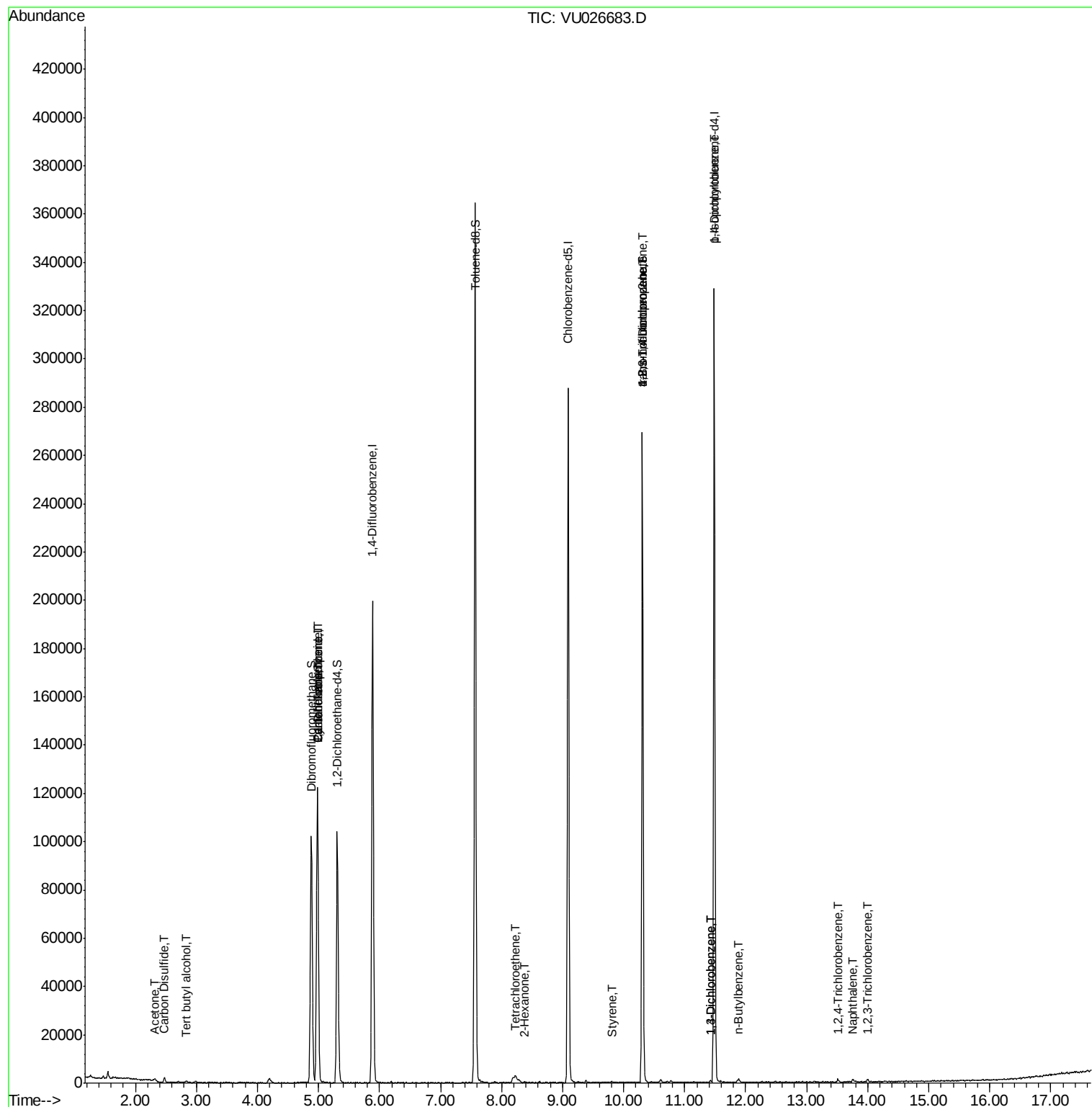
Target Compounds						Qvalue
11) Tert butyl alcohol	2.82	59	162	0.458	ug/l #	73
16) Acetone	2.32	43	826	1.006	ug/l	94
17) Carbon Disulfide	2.48	76	2252	0.645	ug/l	95
31) Cyclohexane	4.99	56	1843	0.688	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	7017	3.774	ug/l #	48
38) Carbon Tetrachloride	4.99	117	8986	4.575	ug/l #	15
59) 2-Hexanone	8.38	43	440	0.246	ug/l	70
64) Tetrachloroethene	8.22	164	327	0.255	ug/l	92
70) Styrene	9.80	104	297	1.923	ug/l #	91
76) 1,2,3-Trichloropropane	10.31	75	42313	21.931	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	42313	66.621	ug/l #	100
86) p-Isopropyltoluene	11.48	119	350	1.108	ug/l #	48
87) 1,3-Dichlorobenzene	11.42	146	678	0.228	ug/l	90
88) 1,4-Dichlorobenzene	11.42	146	678	0.219	ug/l	91
89) n-Butylbenzene	11.90	91	695	2.236	ug/l #	89
93) 1,2,4-Trichlorobenzene	13.51	180	665	0.335	ug/l	74
95) Naphthalene	13.75	128	1829	1.283	ug/l #	80
96) 1,2,3-Trichlorobenzene	14.00	180	496	0.239	ug/l #	69

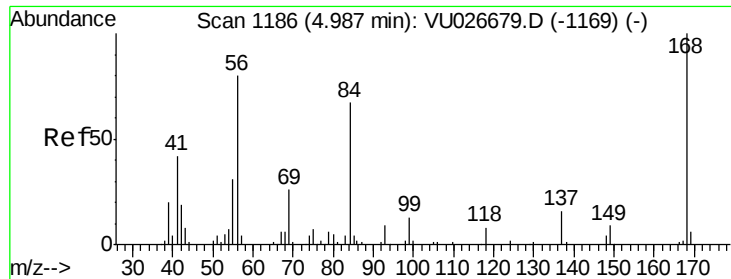
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU026683.D

Acq: 11 Sep 2018 17:01

Instrument :

MSVOA_U

ClientSampleId :

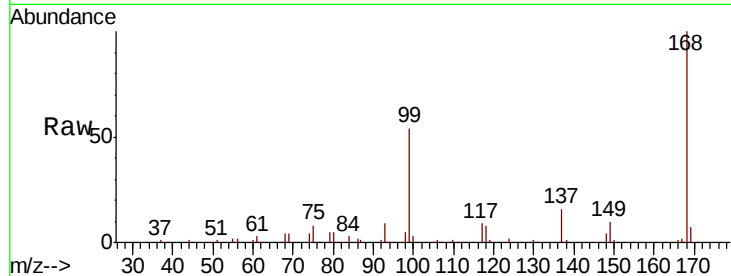
VU0912MBL01

Tgt Ion:168 Resp: 95588

Ion Ratio Lower Upper

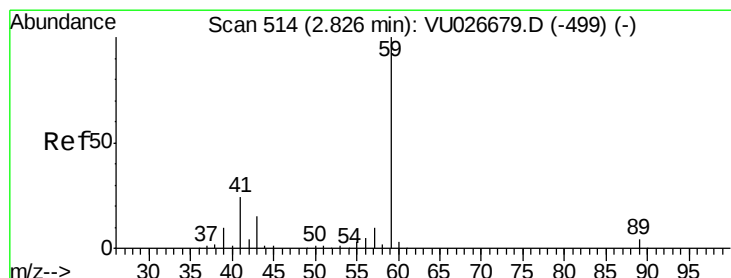
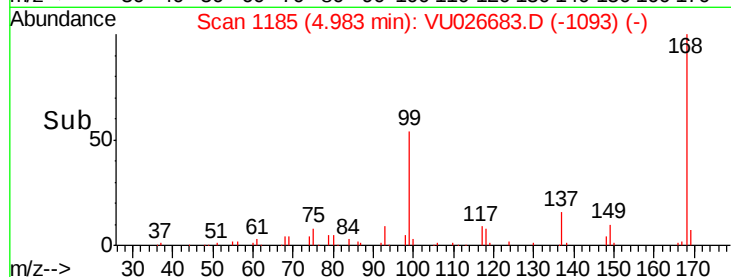
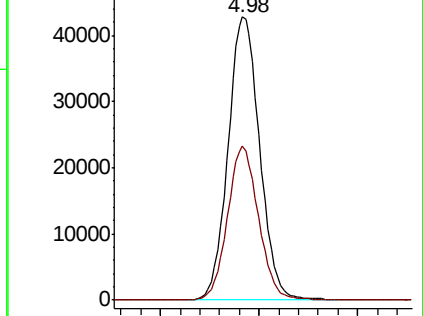
168 100

99 54.3 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU026679.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026683.D (-1093) (-)



#11

Tert butyl alcohol

Concen: 0.458 ug/l

RT: 2.82 min Scan# 513

Delta R.T. -0.00 min

Lab File: VU026683.D

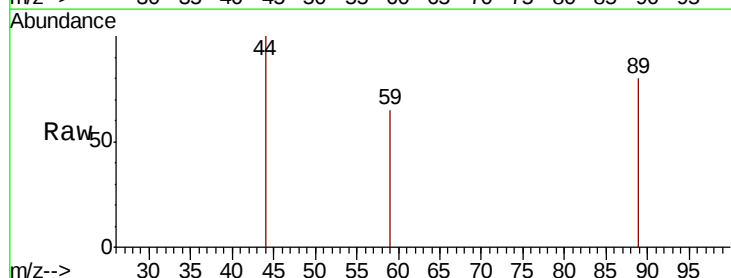
Acq: 11 Sep 2018 17:01

Tgt Ion: 59 Resp: 162

Ion Ratio Lower Upper

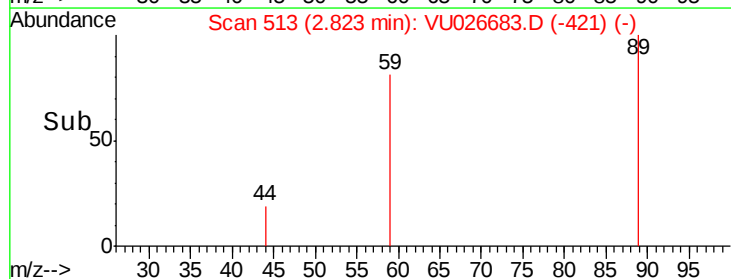
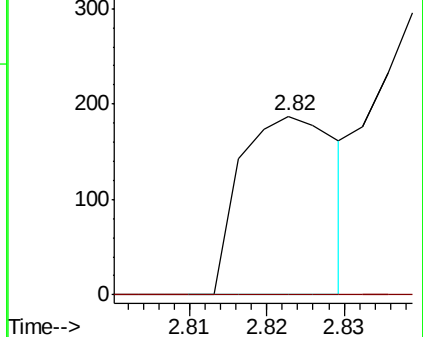
59 100

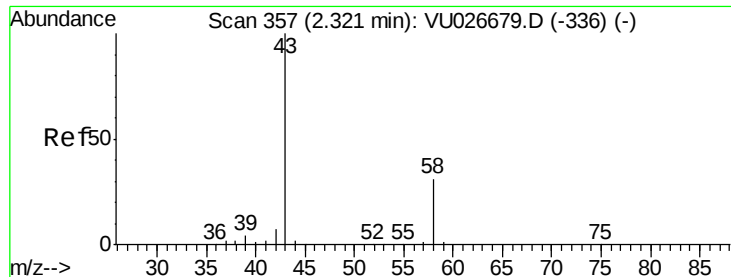
57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU026679.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU026683.D (-421) (-)





#16

Acetone

Concen: 1.006 ug/l

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU026683.D

Acq: 11 Sep 2018 17:01

Instrument :

MSVOA_U

ClientSampleId :

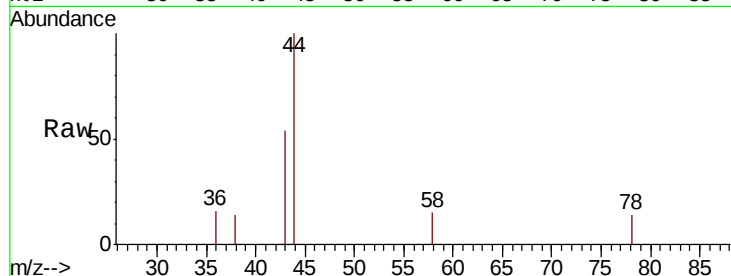
VU0912MBL01

Tgt Ion: 43 Resp: 826

Ion Ratio Lower Upper

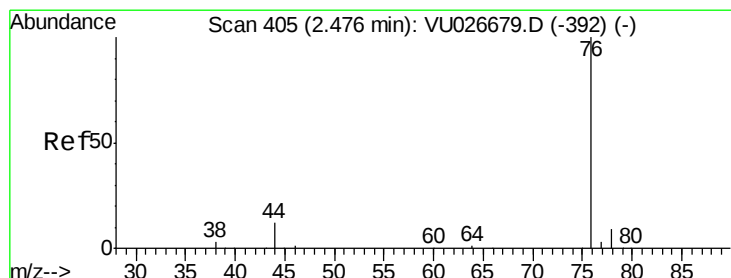
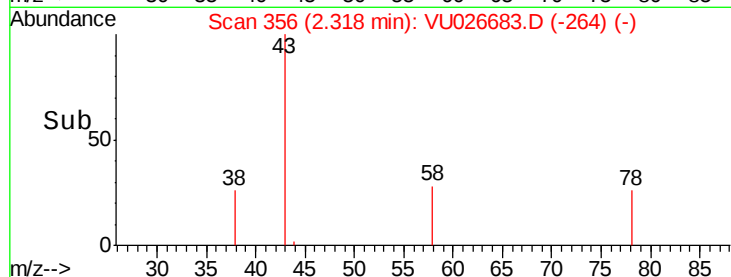
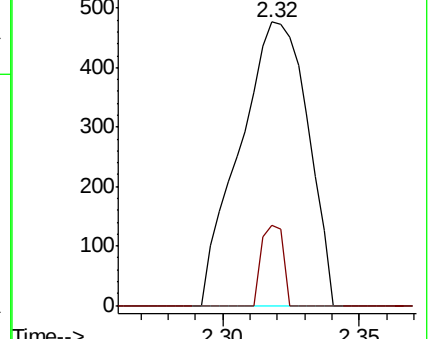
43 100

58 28.3 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#17

Carbon Disulfide

Concen: 0.645 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU026683.D

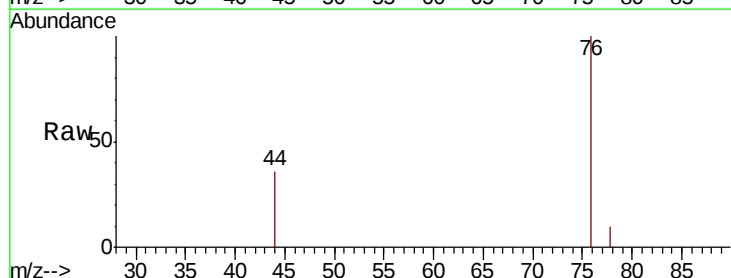
Acq: 11 Sep 2018 17:01

Tgt Ion: 76 Resp: 2252

Ion Ratio Lower Upper

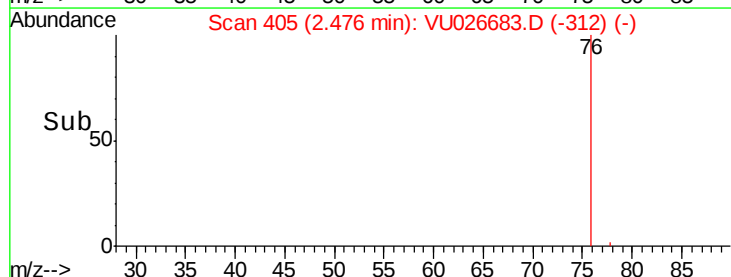
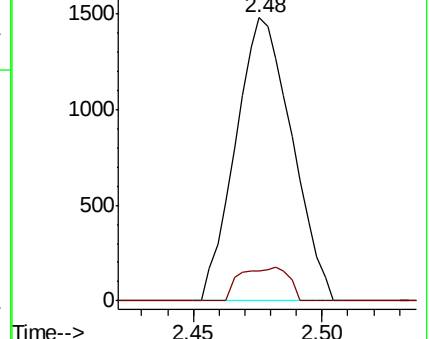
76 100

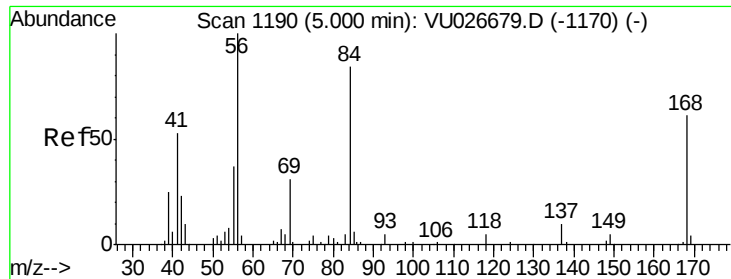
78 10.5 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

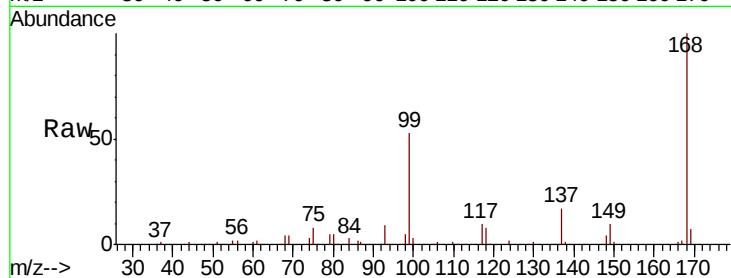




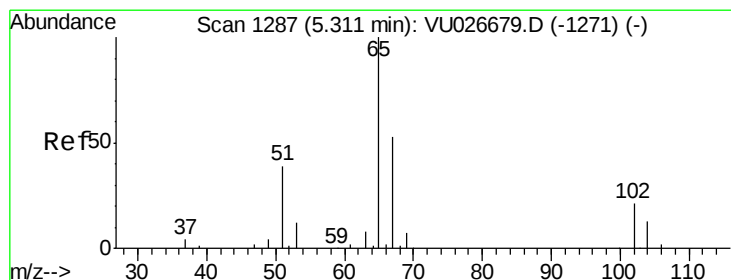
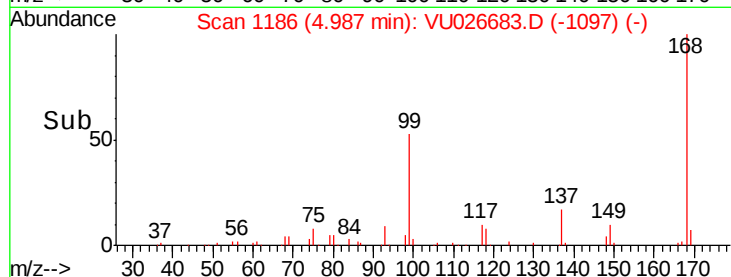
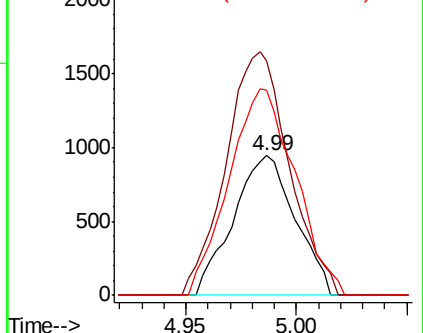
#31
Cyclohexane
Concen: 0.688 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU026683.D
Acq: 11 Sep 2018 17:01

Instrument :
MSVOA_U
ClientSampleId :
VU0912MBL01

Tgt Ion: 56 Resp: 1843
Ion Ratio Lower Upper
56 100
69 168.0 24.9 37.3#
84 147.1 66.6 100.0#

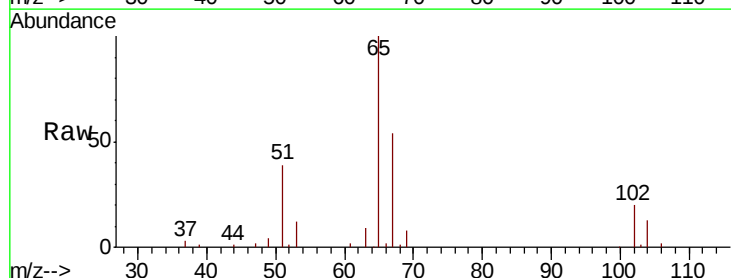


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

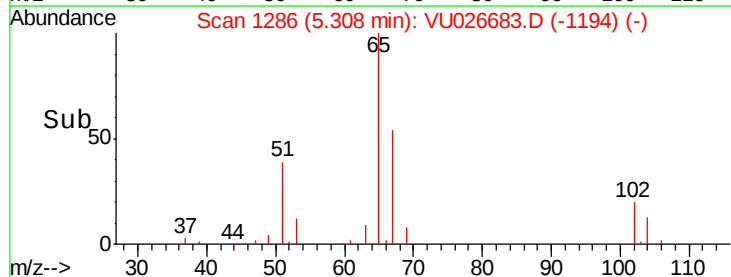
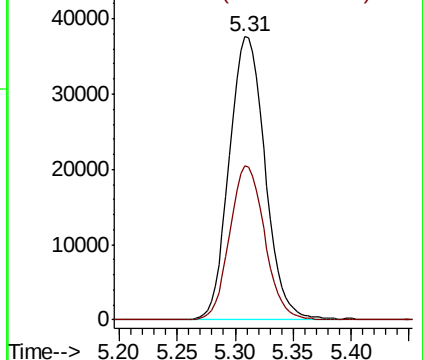


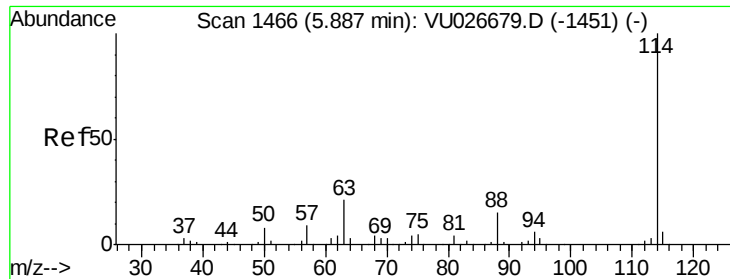
#33
1,2-Dichloroethane-d4
Concen: 55.626 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU026683.D
Acq: 11 Sep 2018 17:01

Tgt Ion: 65 Resp: 80659
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

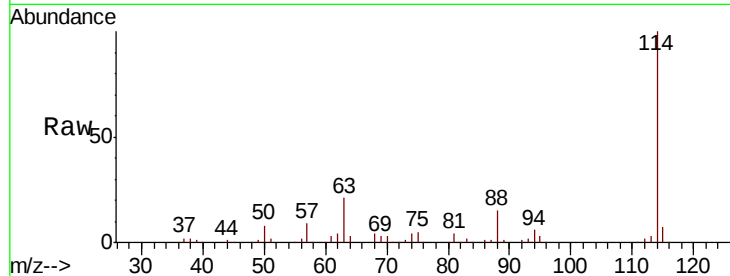




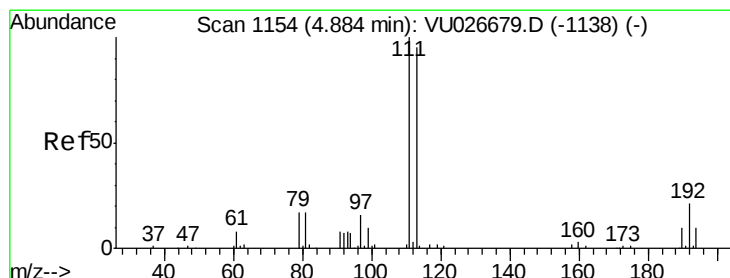
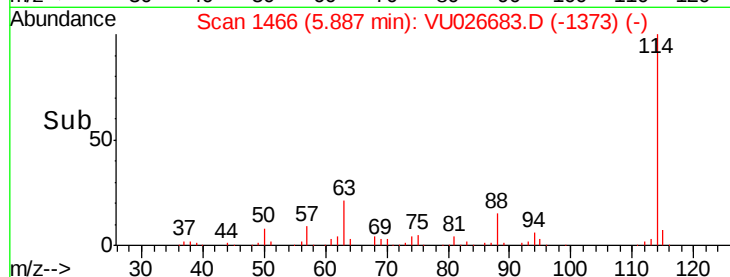
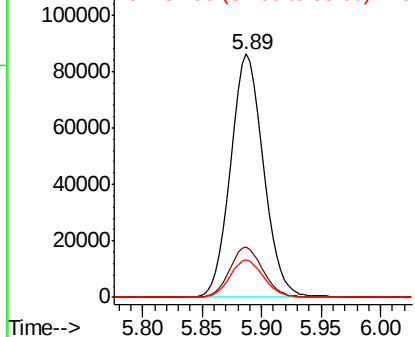
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU026683.D
 Acq: 11 Sep 2018 17:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBL01

Tgt Ion:114 Resp: 165589
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 41.4
 88 15.5 0.0 30.8

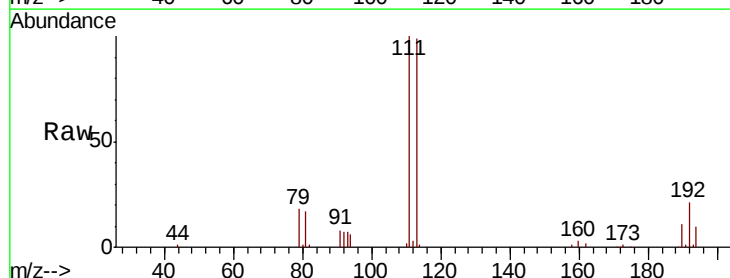


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

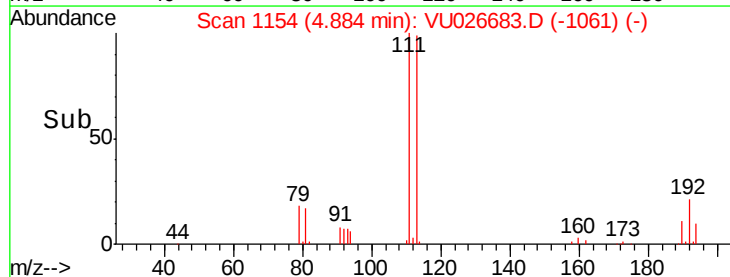
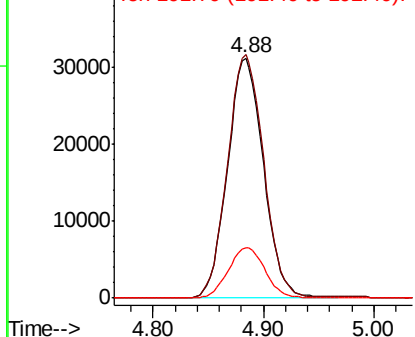


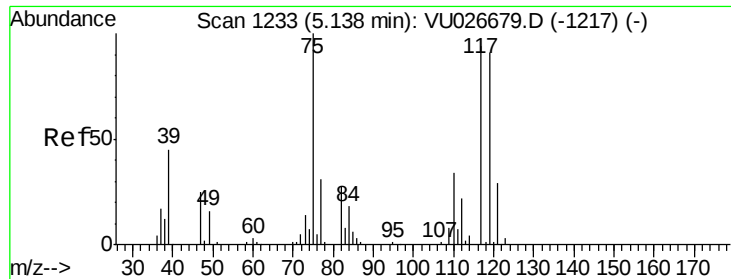
#35
 Dibromofluoromethane
 Concen: 52.131 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU026683.D
 Acq: 11 Sep 2018 17:01

Tgt Ion:113 Resp: 70414
 Ion Ratio Lower Upper
 113 100
 111 102.2 83.1 124.7
 192 21.4 17.4 26.2



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

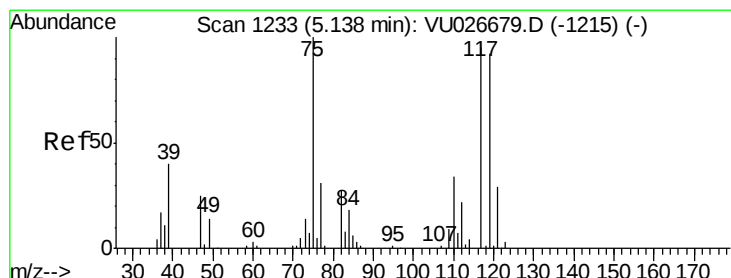
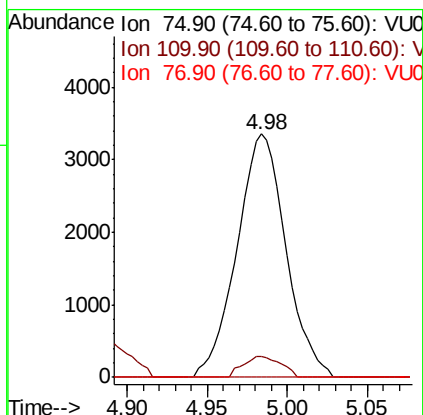
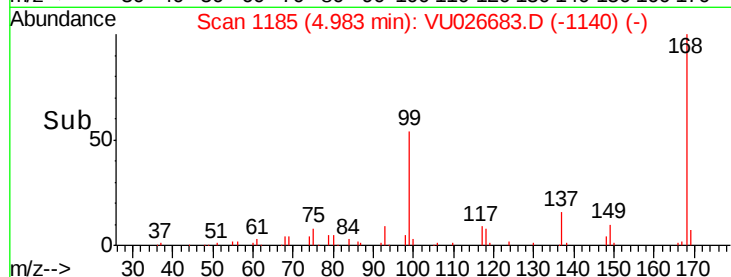
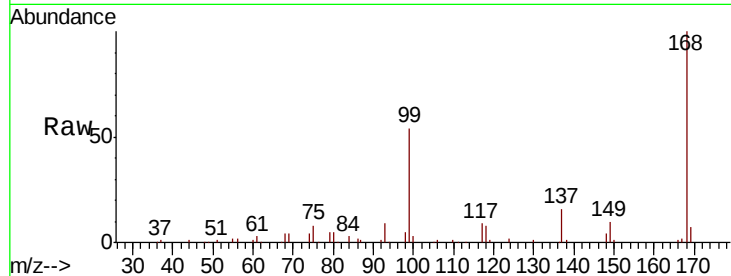




#36
 1,1-Dichloropropene
 Concen: 3.774 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU026683.D
 Acq: 11 Sep 2018 17:01

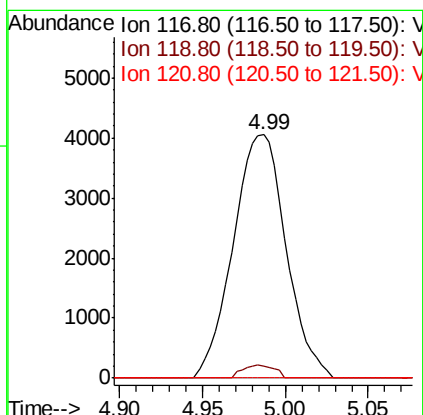
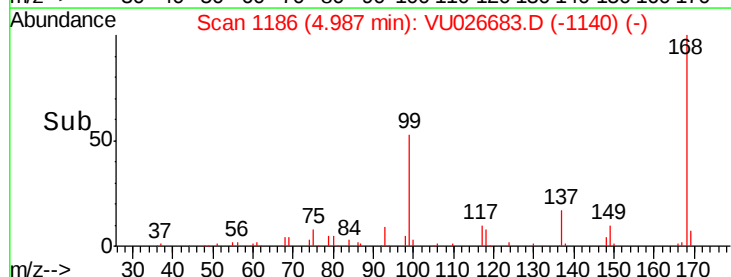
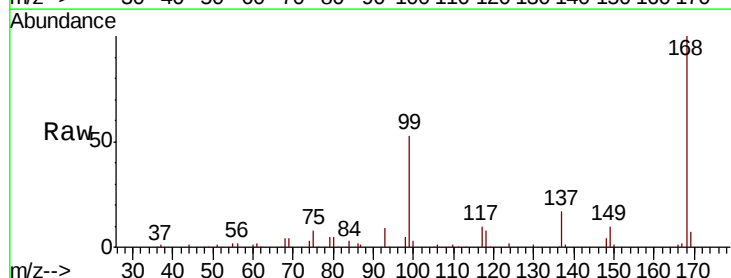
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBL01

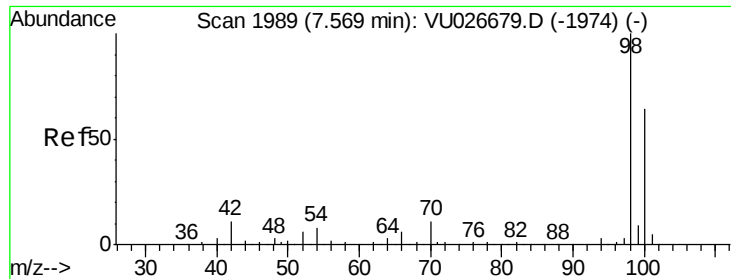
Tgt Ion: 75 Resp: 7017
 Ion Ratio Lower Upper
 75 100
 110 6.7 17.3 51.9#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 4.575 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU026683.D
 Acq: 11 Sep 2018 17:01

Tgt Ion: 117 Resp: 8986
 Ion Ratio Lower Upper
 117 100
 119 5.1 77.8 116.8#
 121 0.0 25.0 37.4#

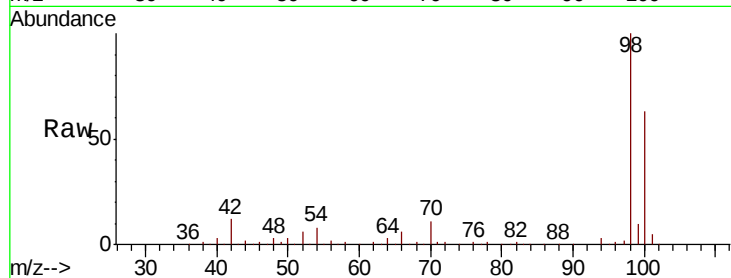




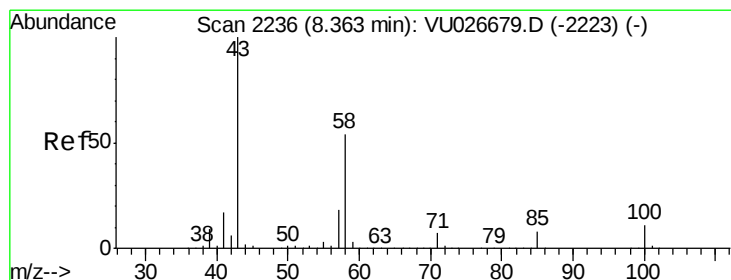
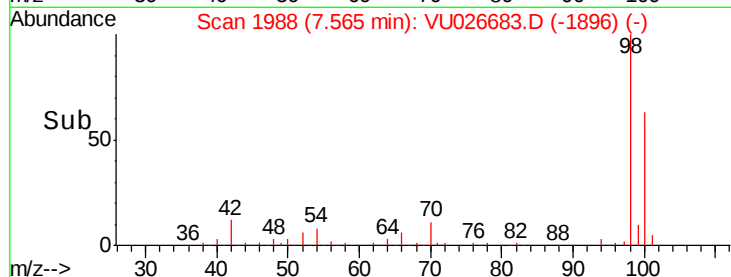
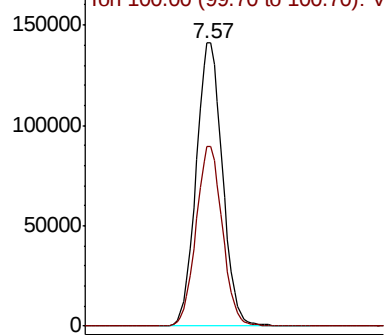
#50
Toluene-d8
Concen: 48.742 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU026683.D
Acq: 11 Sep 2018 17:01

Instrument :
MSVOA_U
ClientSampleId :
VU0912MBL01

Tgt Ion: 98 Resp: 243499
Ion Ratio Lower Upper
98 100
100 63.4 51.2 76.8

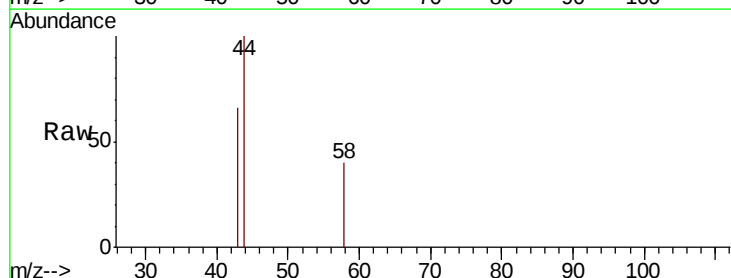


Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU

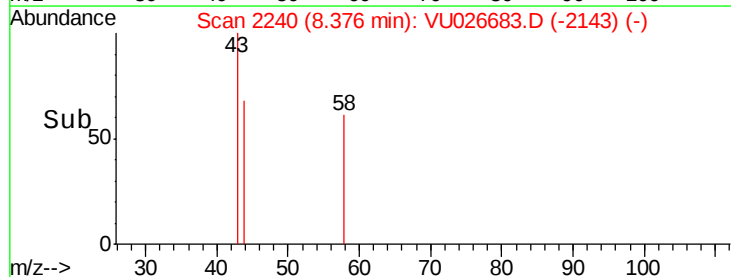
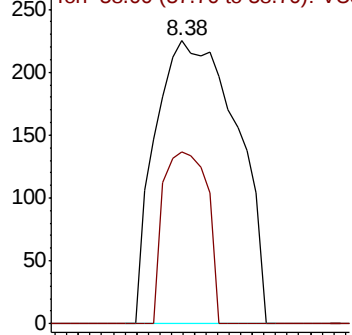


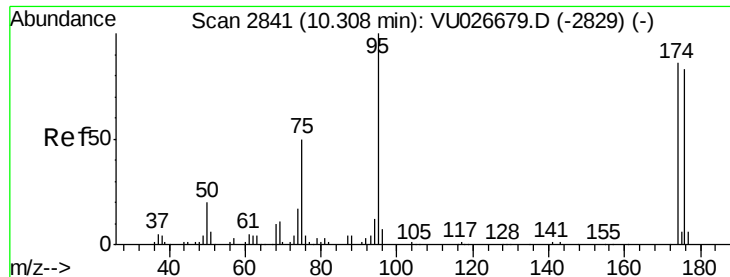
#59
2-Hexanone
Concen: 0.246 ug/l
RT: 8.38 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VU026683.D
Acq: 11 Sep 2018 17:01

Tgt Ion: 43 Resp: 440
Ion Ratio Lower Upper
43 100
58 32.5 26.9 80.7



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





#62

4-Bromofluorobenzene

Concen: 47.112 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU026683.D

Acq: 11 Sep 2018 17:01

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBL01

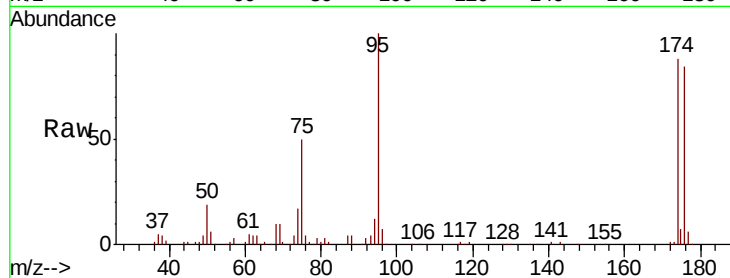
Tgt Ion: 95 Resp: 85301

Ion Ratio Lower Upper

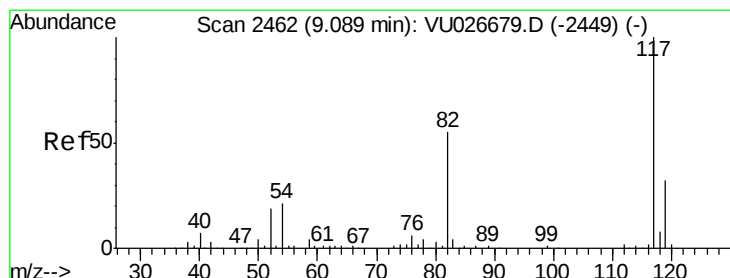
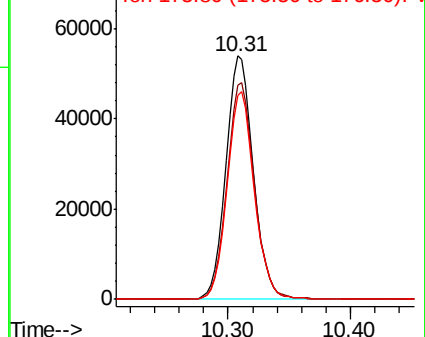
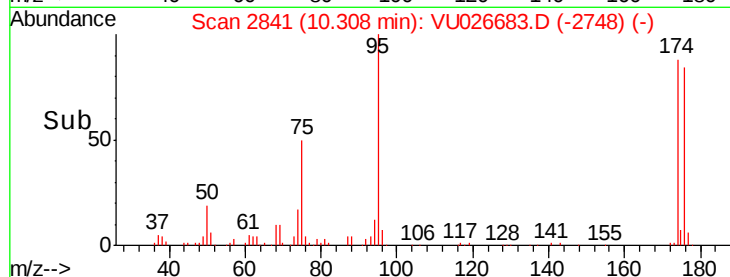
95 100

174 88.8 0.0 172.8

176 84.4 0.0 168.6



Abundance Ion 94.90 (94.60 to 95.60): VU026683.D (-2748) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VU026683.D

Acq: 11 Sep 2018 17:01

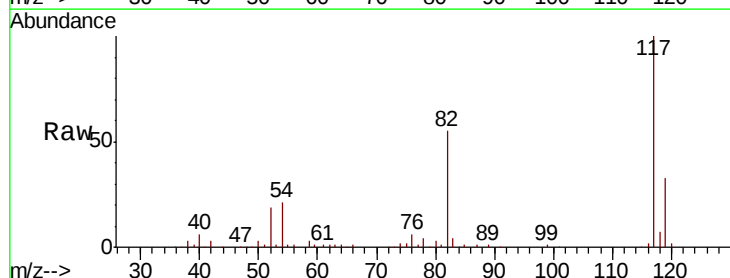
Tgt Ion: 117 Resp: 161030

Ion Ratio Lower Upper

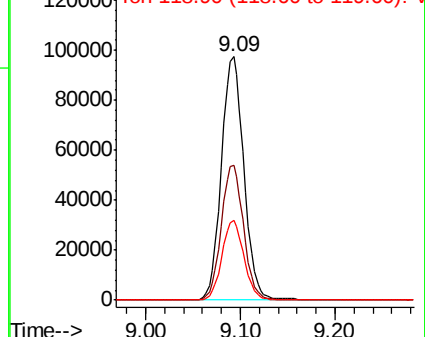
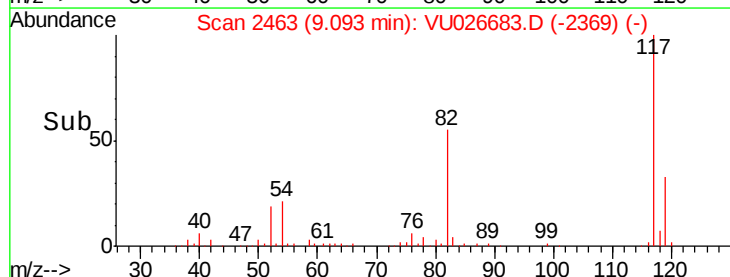
117 100

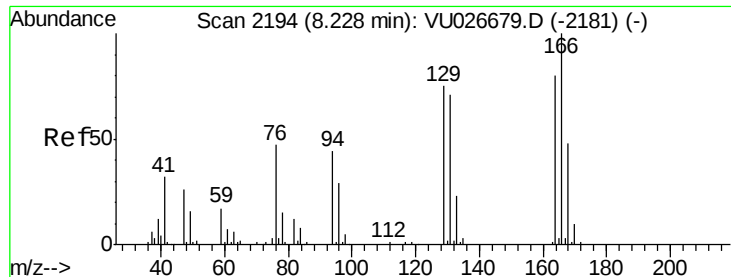
82 55.3 44.1 66.1

119 32.6 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): VU026683.D (-2369) (-)





#64

Tetrachloroethene

Concen: 0.255 ug/l

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU026683.D

Acq: 11 Sep 2018 17:01

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBL01

Tgt Ion:164 Resp: 327

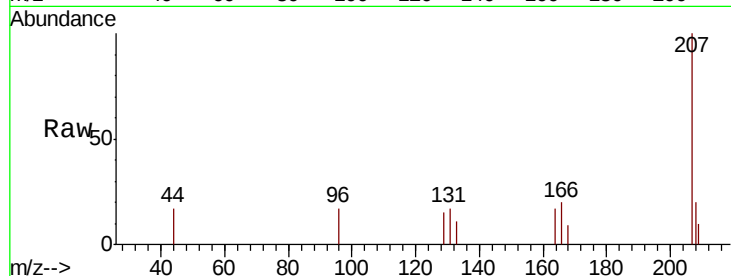
Ion Ratio Lower Upper

164 100

166 118.7 100.5 150.7

129 91.4 75.3 112.9

131 102.9 71.4 107.2

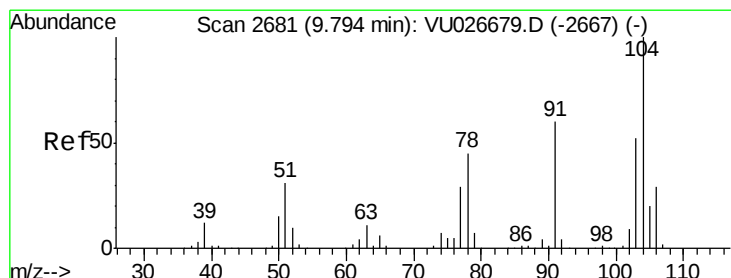
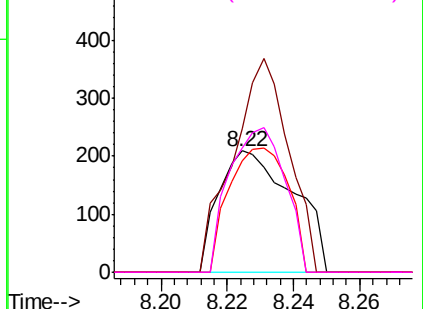
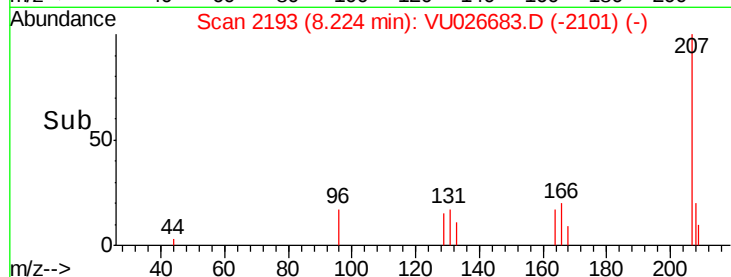


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#70

Styrene

Concen: 1.923 ug/l

RT: 9.80 min Scan# 2684

Delta R.T. 0.01 min

Lab File: VU026683.D

Acq: 11 Sep 2018 17:01

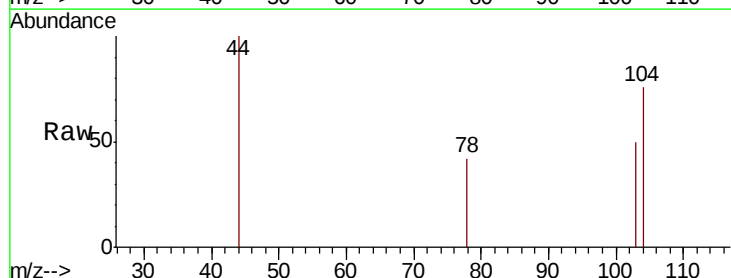
Tgt Ion:104 Resp: 297

Ion Ratio Lower Upper

104 100

78 48.1 39.4 59.2

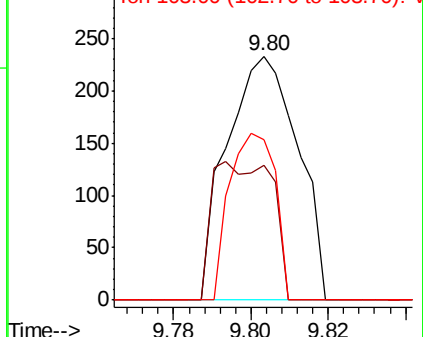
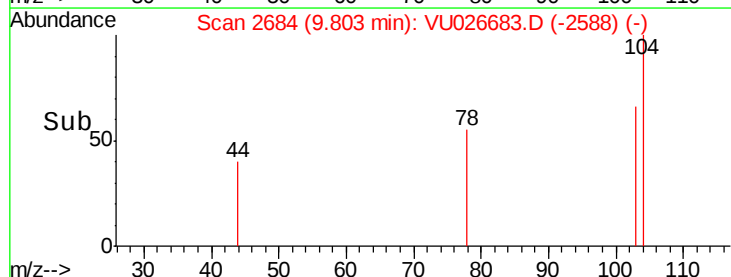
103 44.1 44.5 66.7#

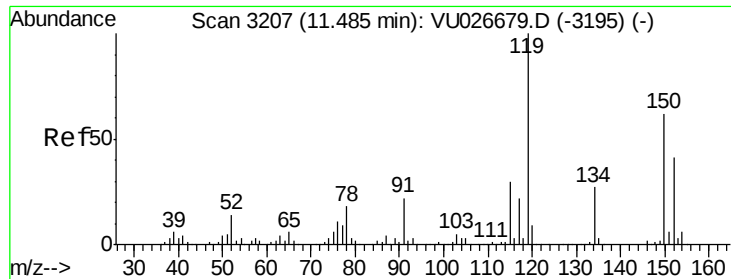


Abundance Ion 104.00 (103.70 to 104.70): V

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: VU026683.D

Acq: 11 Sep 2018 17:01

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBL01

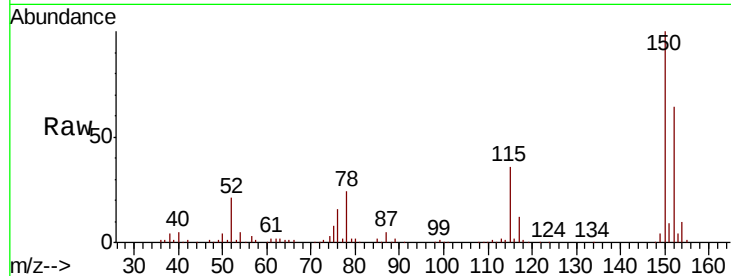
Tgt Ion:152 Resp: 86131

Ion Ratio Lower Upper

152 100

115 56.2 40.4 121.1

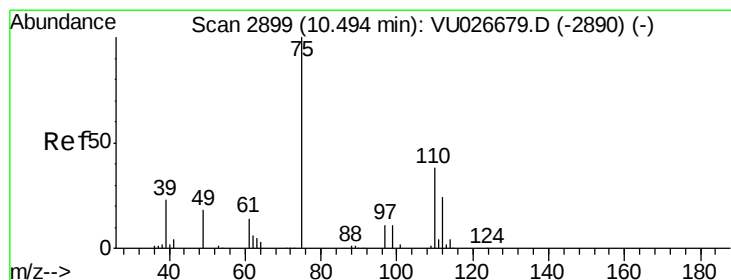
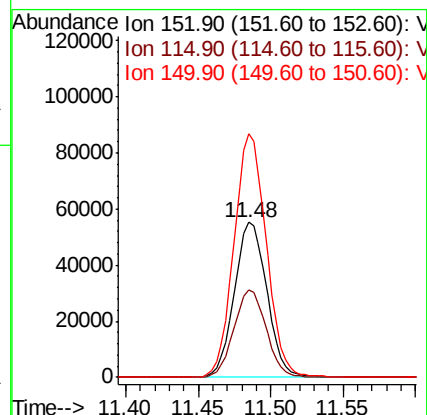
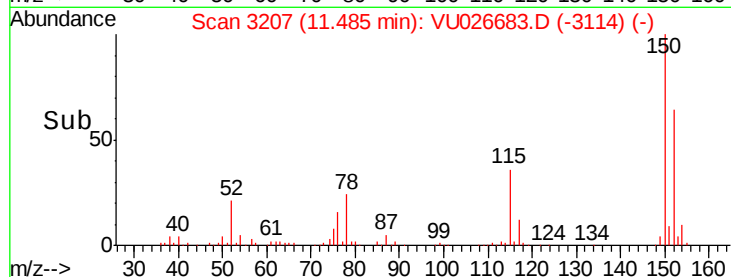
150 156.3 0.0 345.2



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: 21.931 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU026683.D

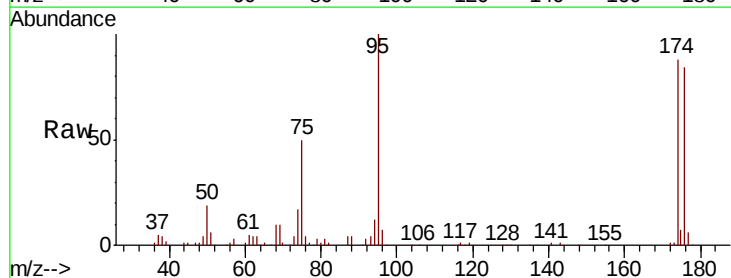
Acq: 11 Sep 2018 17:01

Tgt Ion: 75 Resp: 42313

Ion Ratio Lower Upper

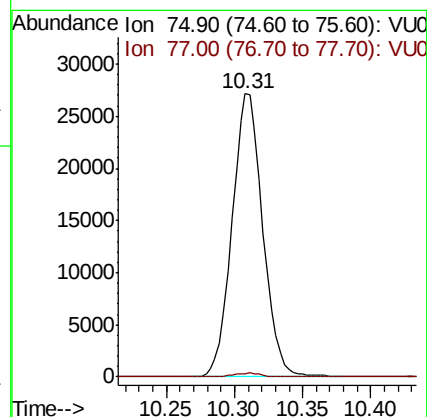
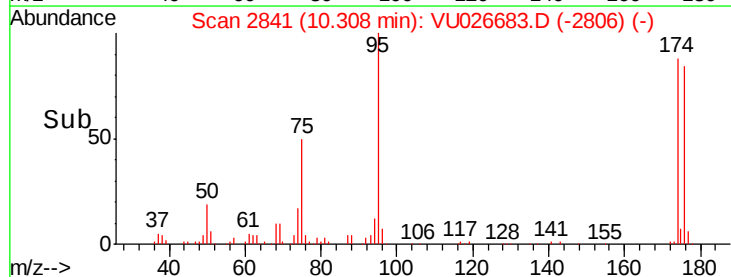
75 100

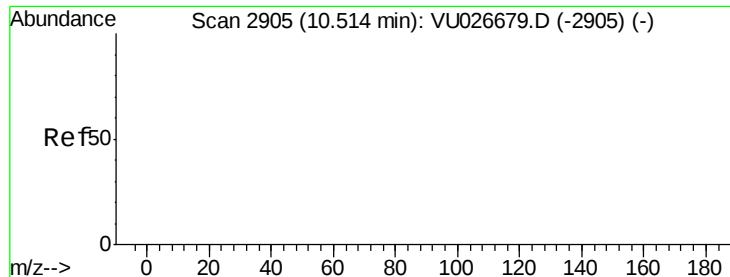
77 1.2 21.1 63.1#



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: 66.621 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU026683.D

Acq: 11 Sep 2018 17:01

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBL01

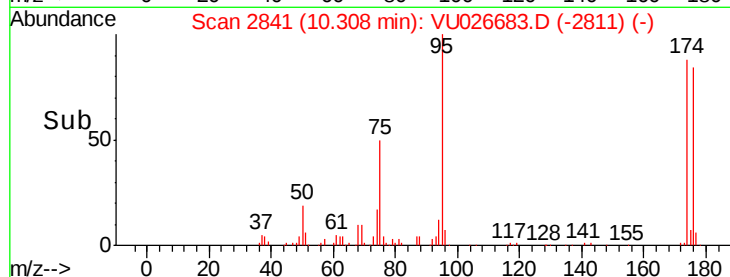
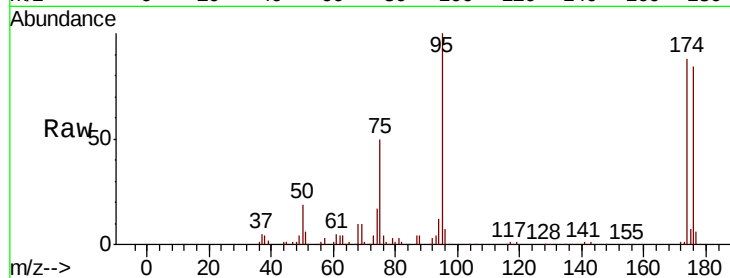
Tgt Ion: 75 Resp: 42313

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

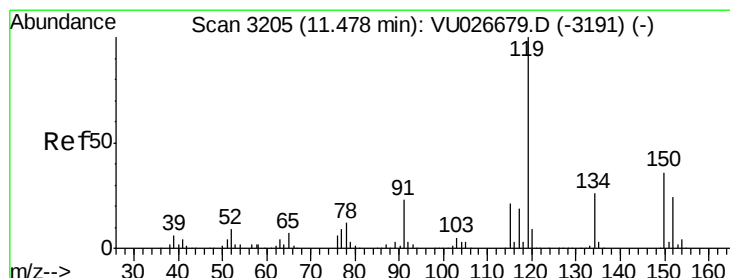
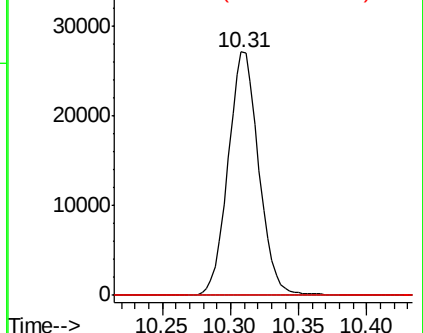
89 0.0 0.0 0.0



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: 1.108 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU026683.D

Acq: 11 Sep 2018 17:01

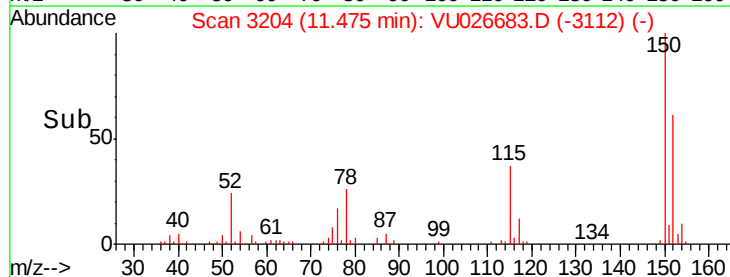
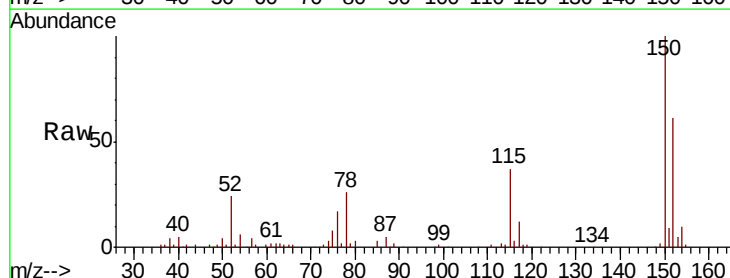
Tgt Ion: 119 Resp: 350

Ion Ratio Lower Upper

119 100

134 30.3 13.2 39.5

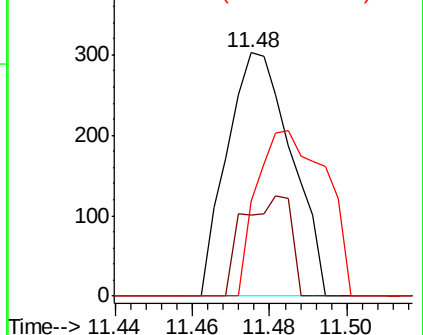
91 72.6 11.6 34.8#

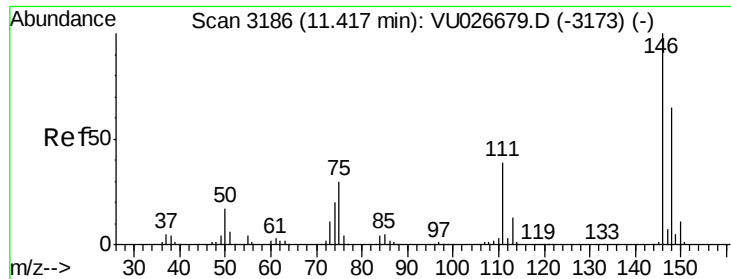


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

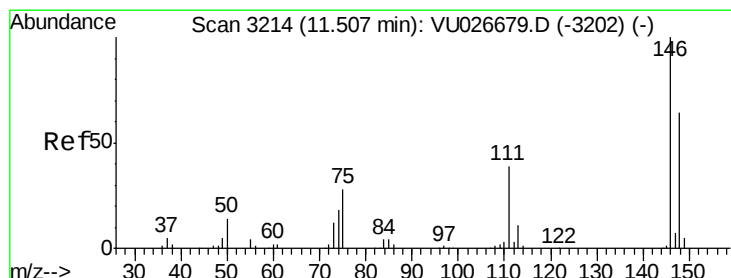
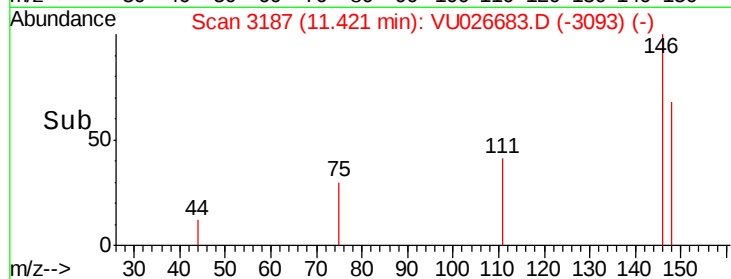
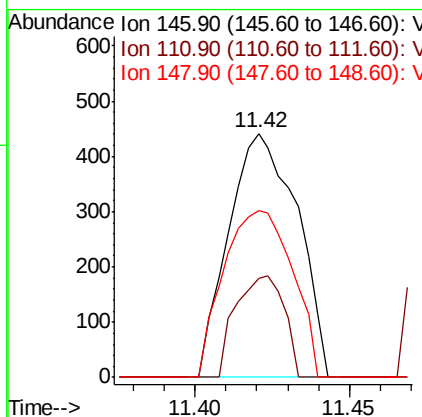
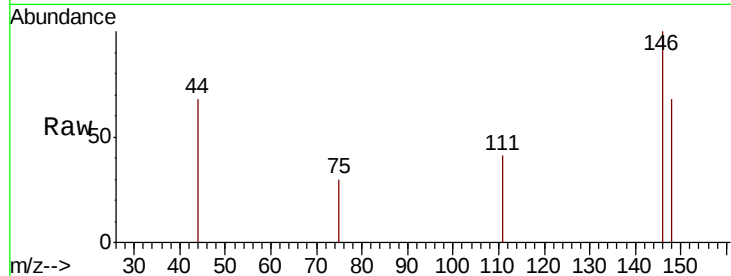




#87
 1,3-Dichlorobenzene
 Concen: 0.228 ug/l
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU026683.D
 Acq: 11 Sep 2018 17:01

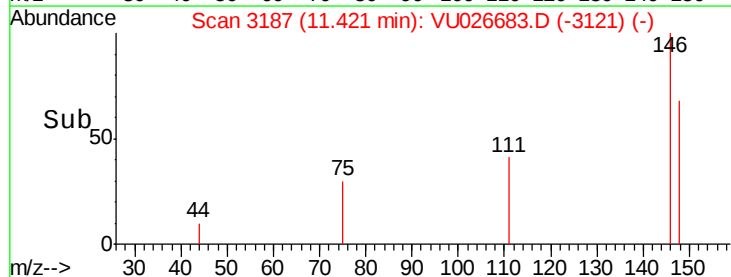
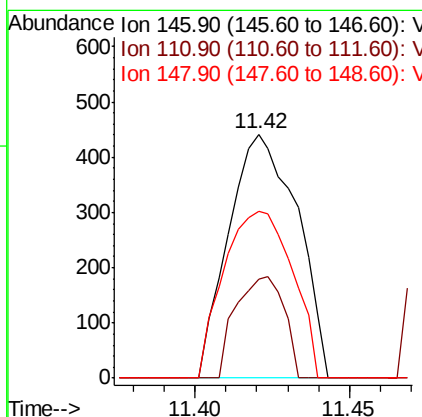
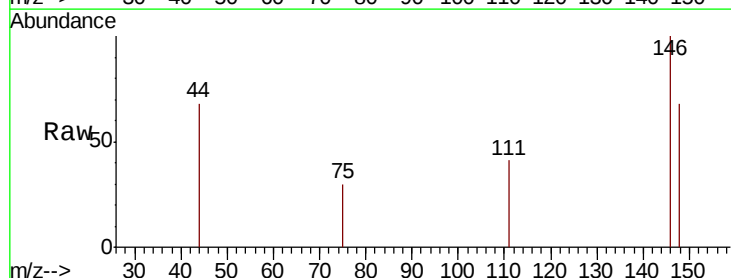
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBL01

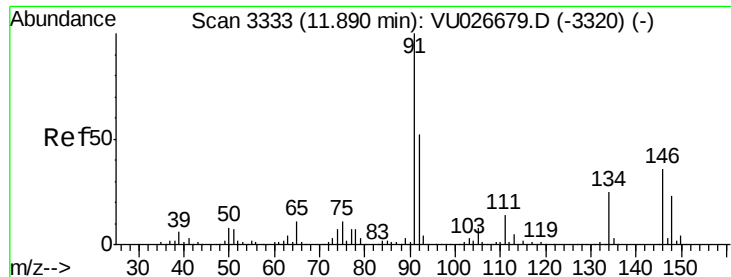
Tgt Ion:146 Resp: 678
 Ion Ratio Lower Upper
 146 100
 111 29.4 19.7 59.1
 148 68.7 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 0.219 ug/l
 RT: 11.42 min Scan# 3187
 Delta R.T. -0.09 min
 Lab File: VU026683.D
 Acq: 11 Sep 2018 17:01

Tgt Ion:146 Resp: 678
 Ion Ratio Lower Upper
 146 100
 111 29.4 19.2 57.6
 148 68.7 32.1 96.3

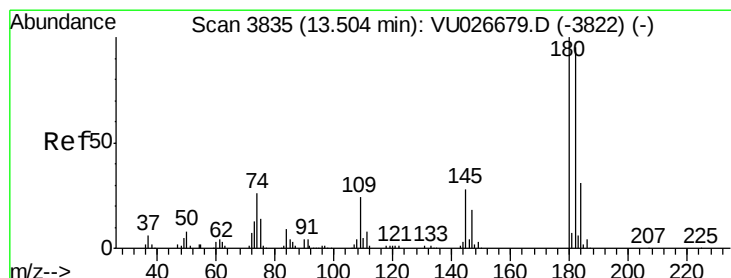
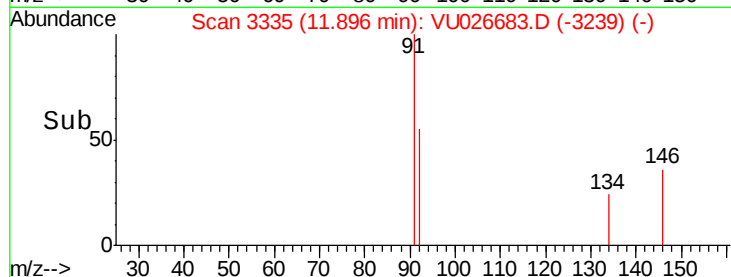
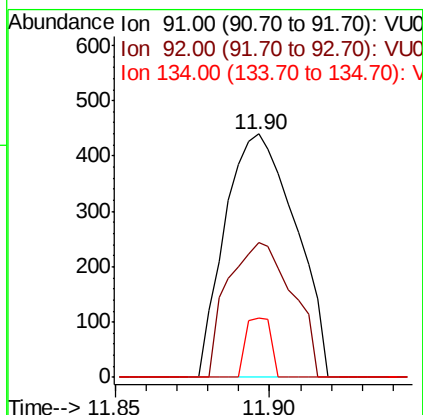
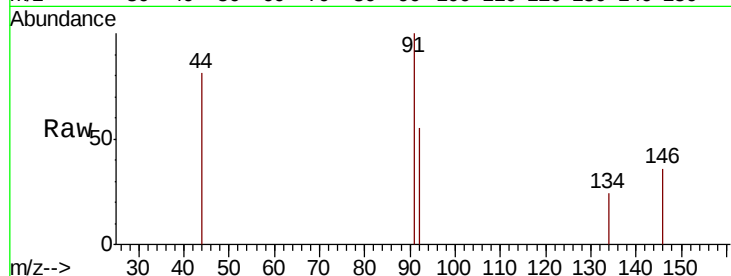




#89
n-Butylbenzene
Concen: 2.236 ug/l
RT: 11.90 min Scan# 3335
Delta R.T. 0.01 min
Lab File: VU026683.D
Acq: 11 Sep 2018 17:01

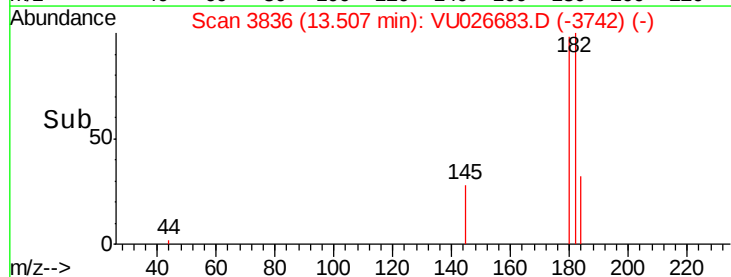
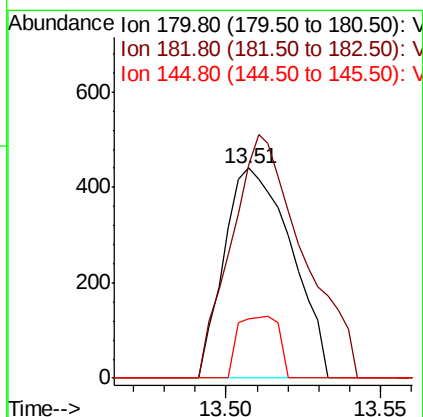
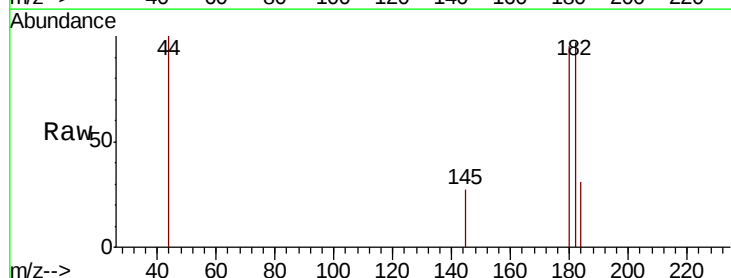
Instrument :
MSVOA_U
ClientSampleId :
VU0912MBL01

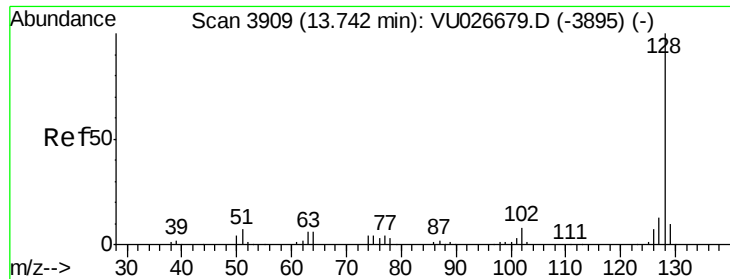
Tgt Ion: 91 Resp: 695
Ion Ratio Lower Upper
91 100
92 50.9 25.8 77.3
134 8.8 12.6 37.8#



#93
1,2,4-Trichlorobenzene
Concen: 0.335 ug/l
RT: 13.51 min Scan# 3836
Delta R.T. 0.00 min
Lab File: VU026683.D
Acq: 11 Sep 2018 17:01

Tgt Ion: 180 Resp: 665
Ion Ratio Lower Upper
180 100
182 123.3 47.9 143.7
145 17.7 14.0 42.0

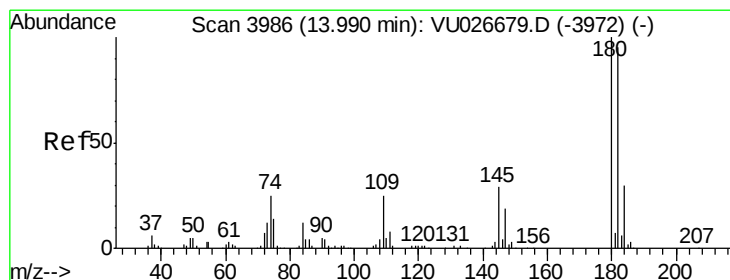
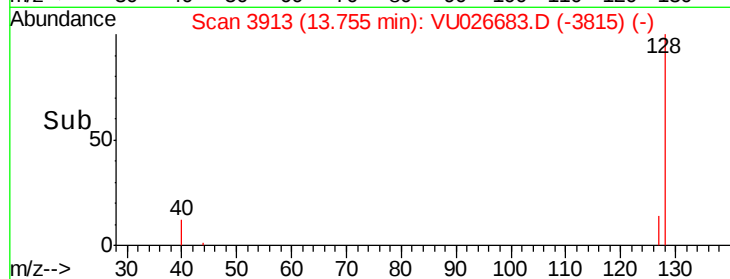
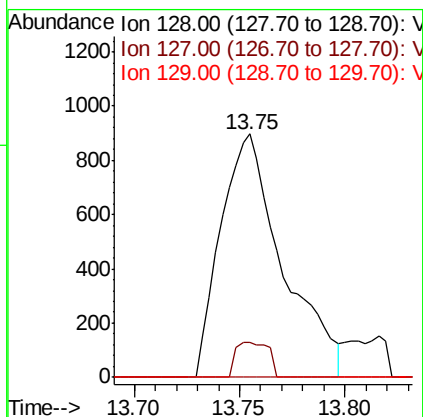
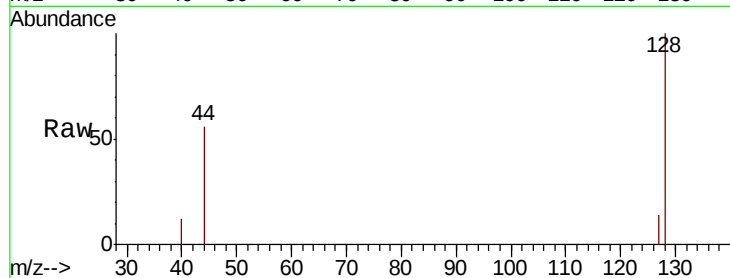




#95
Naphthalene
Concen: 1.283 ug/l
RT: 13.75 min Scan# 3913
Delta R.T. 0.01 min
Lab File: VU026683.D
Acq: 11 Sep 2018 17:01

Instrument :
MSVOA_U
ClientSampleId :
VU0912MBL01

Tgt Ion:128 Resp: 1829
Ion Ratio Lower Upper
128 100
127 7.6 10.4 15.6#
129 0.0 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 0.239 ug/l
RT: 14.00 min Scan# 3988
Delta R.T. 0.01 min
Lab File: VU026683.D
Acq: 11 Sep 2018 17:01

Tgt Ion:180 Resp: 496
Ion Ratio Lower Upper
180 100
182 123.0 47.9 143.7
145 8.5 14.9 44.9#

