

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091218\
 Data File : VU026692.D
 Acq On : 12 Sep 2018 09:21
 Operator : MD/SY
 Sample : VU0912MBL01
 Misc : 5.00µl/10mL/100µL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBL02

Quant Time: Sep 13 06:48:38 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	124814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	211421	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	203586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	104170	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	97709	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
35) Dibromofluoromethane	4.88	113	88068	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
50) Toluene-d8	7.57	98	310942	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
62) 4-Bromofluorobenzene	10.31	95	107195	46.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.74%	

Target Compounds

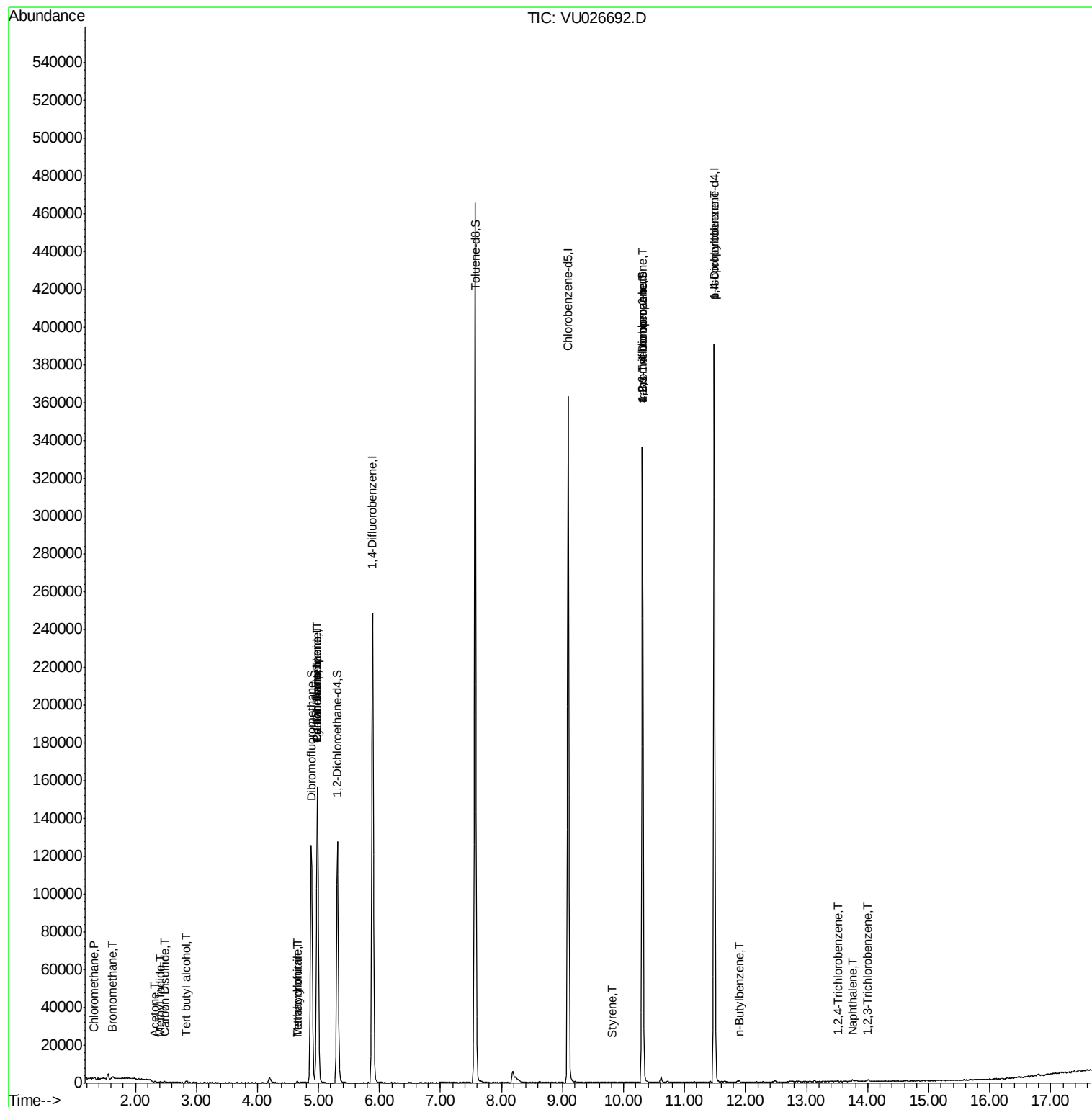
						Qvalue
3) Chloromethane	1.33	50	1041	0.55	ug/l	95
5) Bromomethane	1.63	94	666	0.54	ug/l	91
10) Methyl Iodide	2.41	142	348	9.54	ug/l #	72
11) Tert butyl alcohol	2.84	59	574	1.24	ug/l #	73
16) Acetone	2.32	43	447	0.42	ug/l	90
17) Carbon Disulfide	2.48	76	1015	0.22	ug/l #	76
29) Tetrahydrofuran	4.66	42	500	0.57	ug/l #	56
31) Cyclohexane	4.98	56	2346	0.67	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	8776	3.70	ug/l #	49
38) Carbon Tetrachloride	4.98	117	11545	4.60	ug/l #	16
41) Methacrylonitrile	4.65	41	372	0.97	ug/l #	24
70) Styrene	9.80	104	137	1.88	ug/l #	26
76) 1,2,3-Trichloropropane	10.31	75	53134	22.77	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	53134	68.54	ug/l #	100
86) p-Isopropyltoluene	11.48	119	272	1.09	ug/l #	1
89) n-Butylbenzene	11.90	91	365	2.16	ug/l #	78
93) 1,2,4-Trichlorobenzene	13.51	180	492	0.20	ug/l #	71
95) Naphthalene	13.75	128	1267	1.17	ug/l #	76
96) 1,2,3-Trichlorobenzene	14.00	180	558	0.22	ug/l #	83

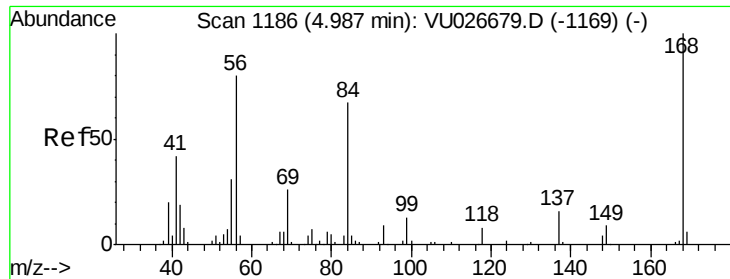
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU091218\
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QLast Update : Wed Sep 12 05:32:45 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU026692.D

Acq: 12 Sep 2018 09:21

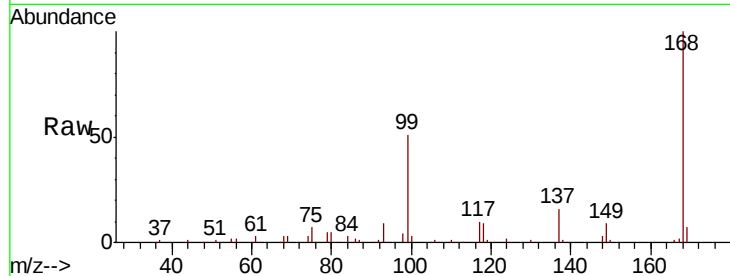
Instrument :
MSVOA_U
ClientSampleId :
VU0912MBL02

Tot Ion:168 Resp: 124814

Ion Ratio Lower Upper

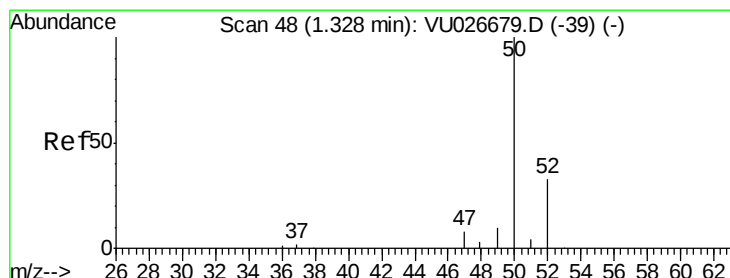
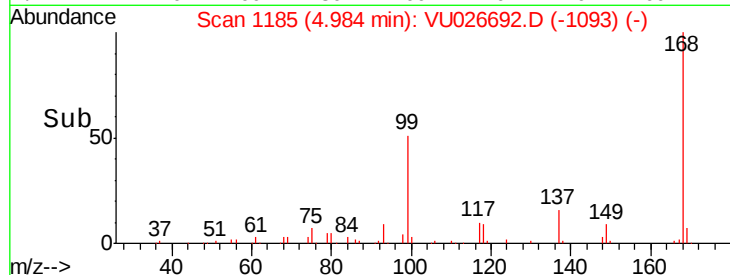
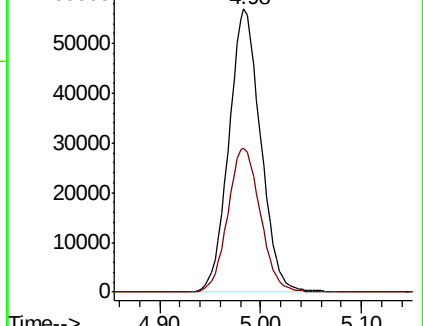
168 100

99 51.0 42.0 63.0



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

Ion 98.90 (98.60 to 99.60): VU026692.D (-1093) (-)



#3

Chloromethane

Concen: 0.55 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU026692.D

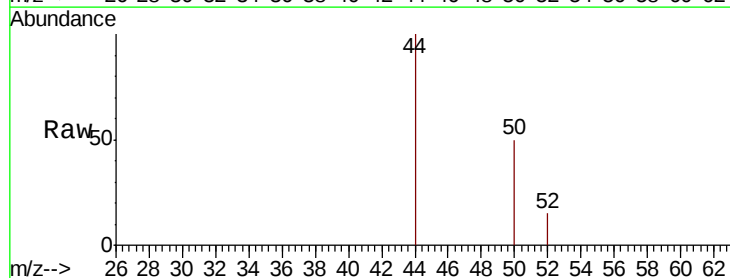
Acq: 12 Sep 2018 09:21

Tgt Ion: 50 Resp: 1041

Ion Ratio Lower Upper

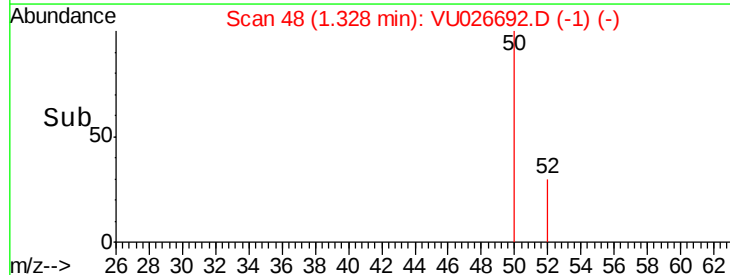
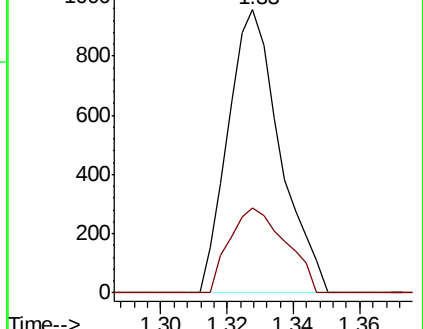
50 100

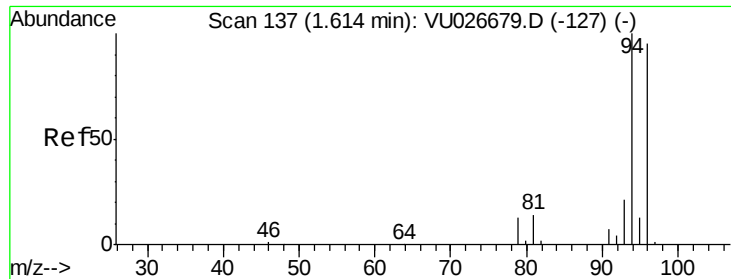
52 30.2 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VU026679.D (-39) (-)

Ion 51.90 (51.60 to 52.60): VU026692.D (-1) (-)





#5

Bromomethane

Concen: 0.54 ug/l

RT: 1.63 min Scan# 142

Delta R.T. 0.02 min

Lab File: VU026692.D

Acq: 12 Sep 2018 09:21

Instrument :

MSVOA_U

ClientSampleId :

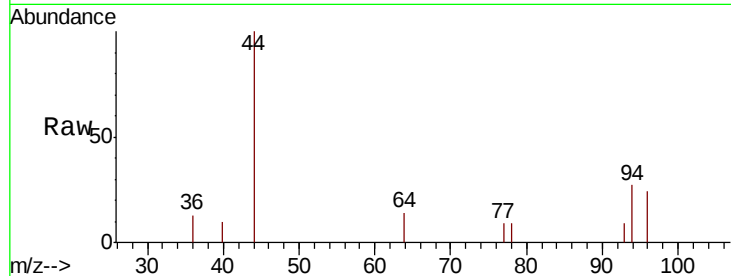
VU0912MBL02

Tot Ion: 94 Resp: 666

Ion Ratio Lower Upper

94 100

96 85.7 75.8 113.6



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.63

400

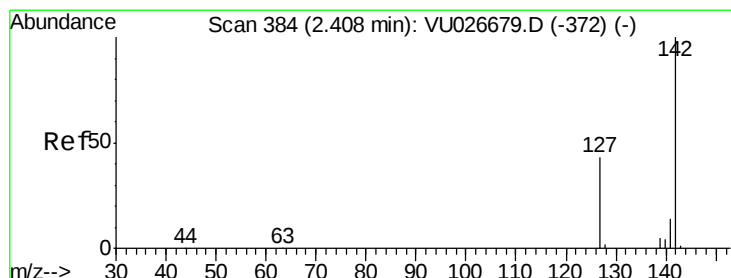
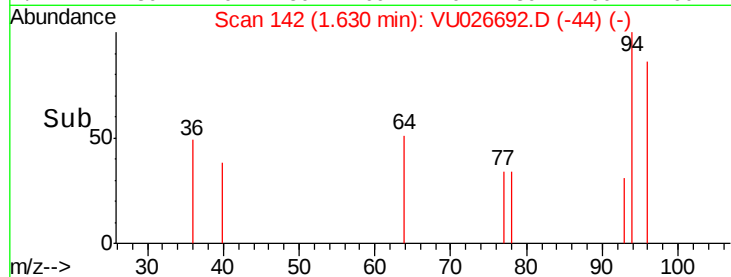
300

200

100

0

Time-->



#10

Methyl Iodide

Concen: 9.54 ug/l

RT: 2.41 min Scan# 386

Delta R.T. 0.01 min

Lab File: VU026692.D

Acq: 12 Sep 2018 09:21

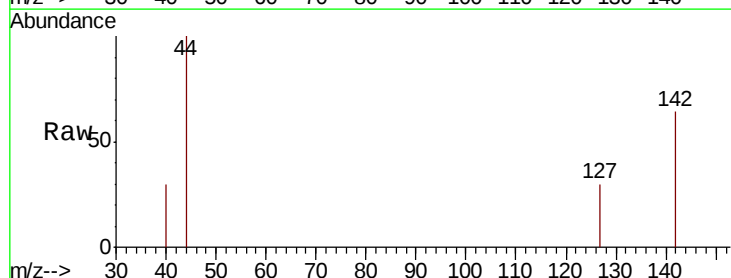
Tgt Ion: 142 Resp: 348

Ion Ratio Lower Upper

142 100

127 26.1 34.1 51.1#

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

300

250

200

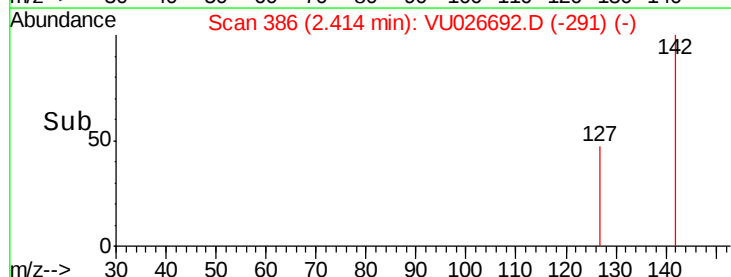
150

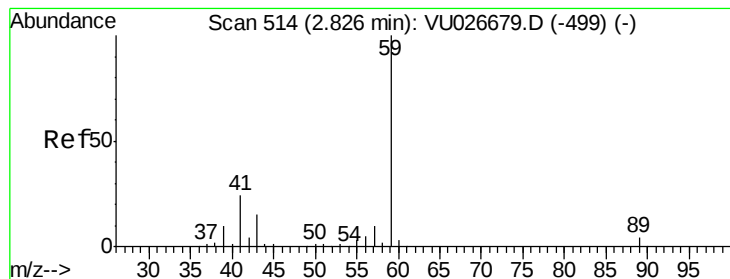
100

50

0

Time-->



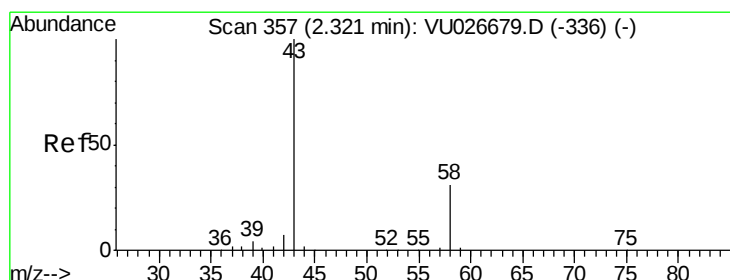
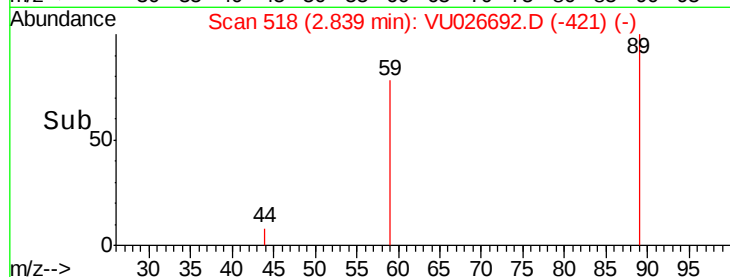
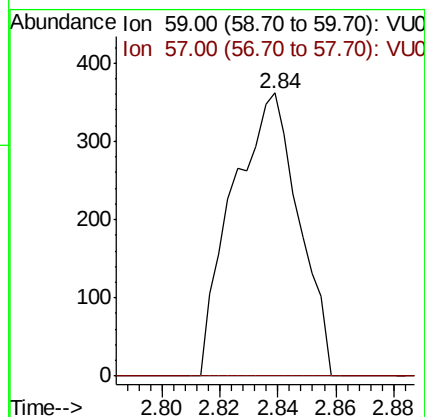
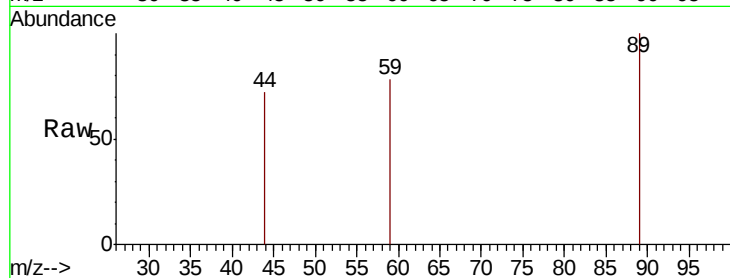


#11

Tert butyl alcohol
 Concen: 1.24 ug/l
 RT: 2.84 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VU026692.D
 Acq: 12 Sep 2018 09:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBL02

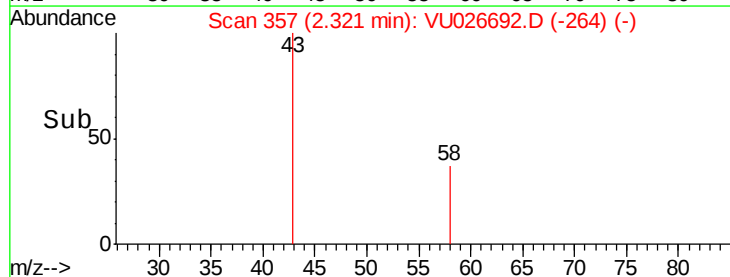
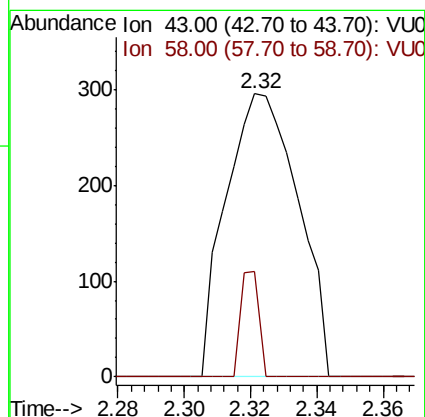
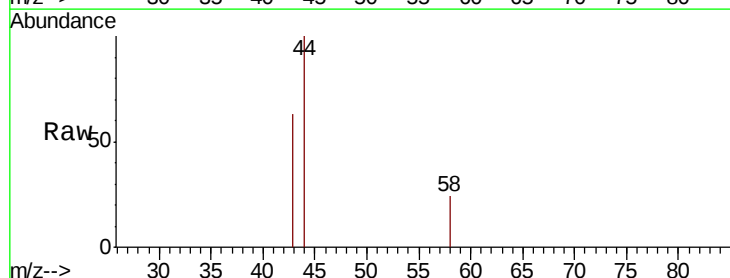
Tot Ion: 59 Resp: 574
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

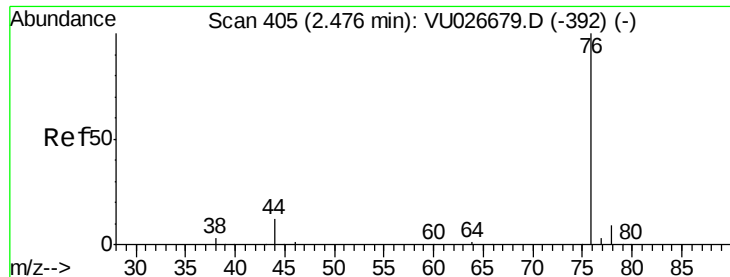


#16

Acetone
 Concen: 0.42 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. 0.00 min
 Lab File: VU026692.D
 Acq: 12 Sep 2018 09:21

Tgt Ion: 43 Resp: 447
 Ion Ratio Lower Upper
 43 100
 58 37.2 25.1 37.7

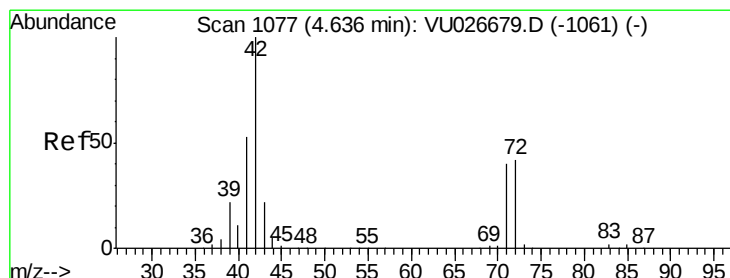
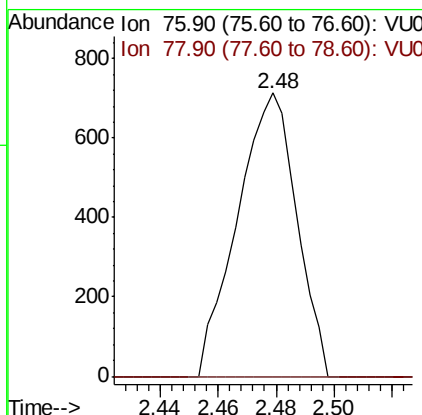
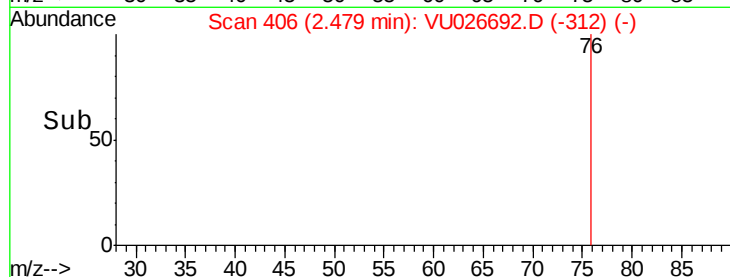
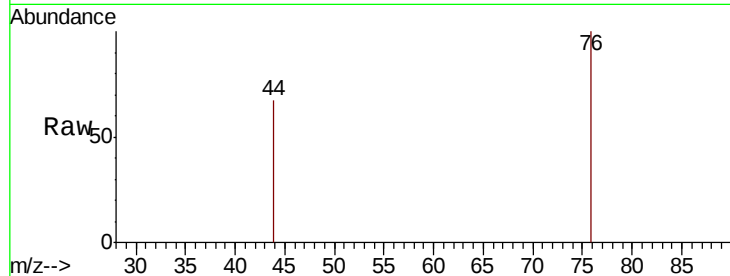




#17
Carbon Disulfide
Concen: 0.22 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU026692.D
Acq: 12 Sep 2018 09:21

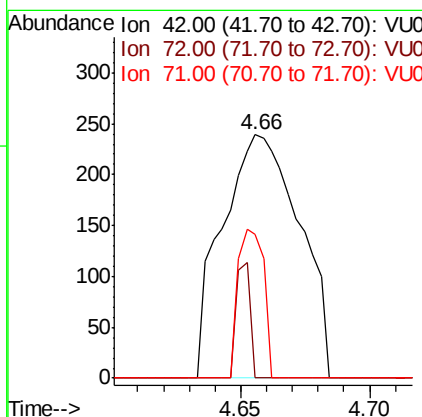
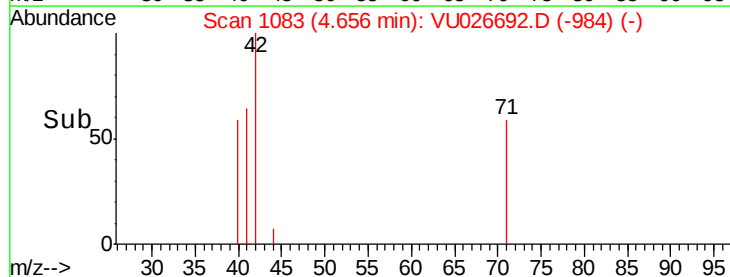
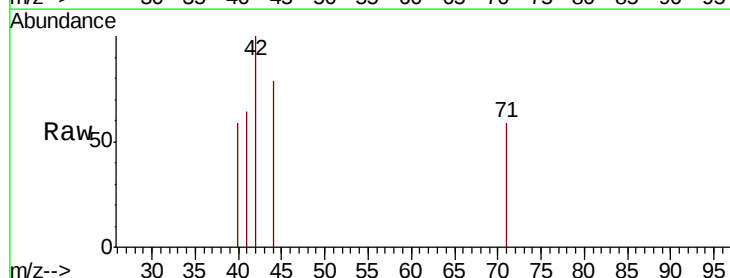
Instrument :
MSVOA_U
ClientSampleId :
VU0912MBL02

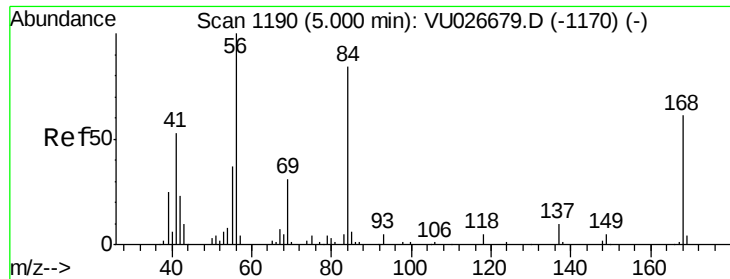
Tot Ion: 76 Resp: 1015
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#29
Tetrahydrofuran
Concen: 0.57 ug/l
RT: 4.66 min Scan# 1083
Delta R.T. 0.02 min
Lab File: VU026692.D
Acq: 12 Sep 2018 09:21

Tgt Ion: 42 Resp: 500
Ion Ratio Lower Upper
42 100
72 8.4 34.4 51.6#
71 20.2 32.4 48.6#

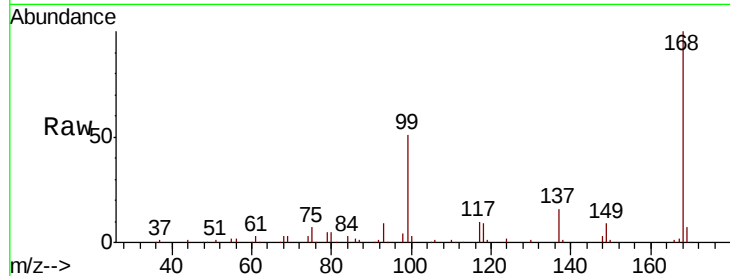




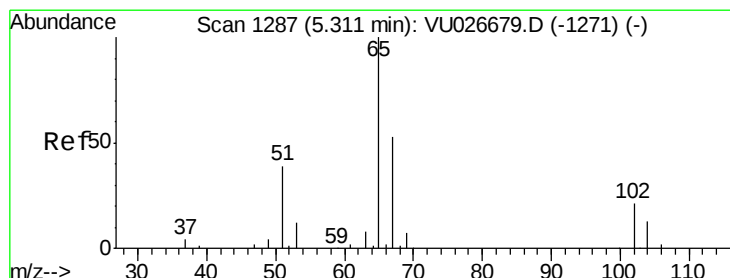
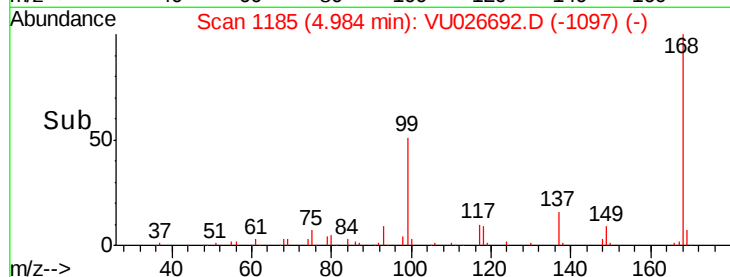
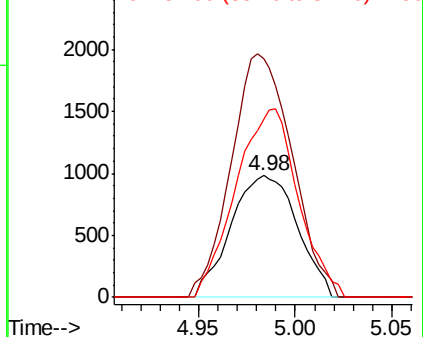
#31
Cyclohexane
Concen: 0.67 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.02 min
Lab File: VU026692.D
Acq: 12 Sep 2018 09:21

Instrument :
MSVOA_U
ClientSampleId :
VU0912MBL02

Tot Ion: 56 Resp: 2346
Ion Ratio Lower Upper
56 100
69 195.8 24.9 37.3#
84 146.9 66.6 100.0#

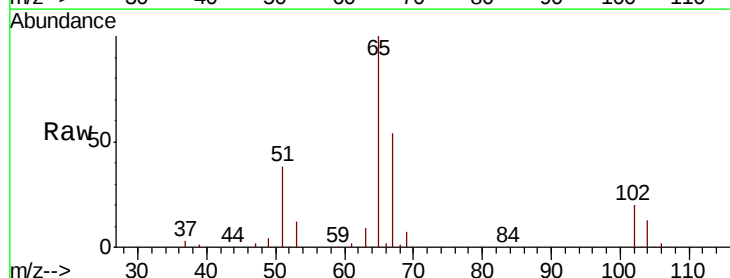


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

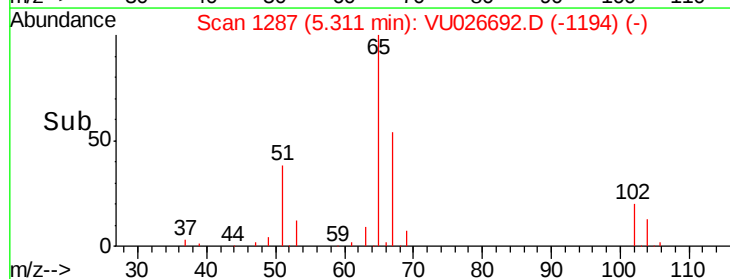
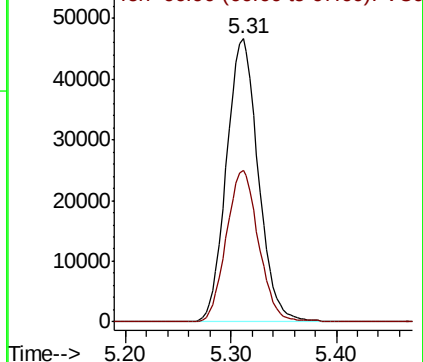


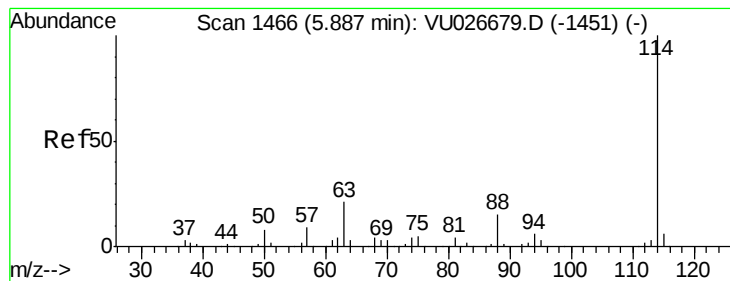
#33
1,2-Dichloroethane-d4
Concen: 51.61 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU026692.D
Acq: 12 Sep 2018 09:21

Tgt Ion: 65 Resp: 97709
Ion Ratio Lower Upper
65 100
67 54.1 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: 50.00 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VU026692.D

Acq: 12 Sep 2018 09:21

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBL02

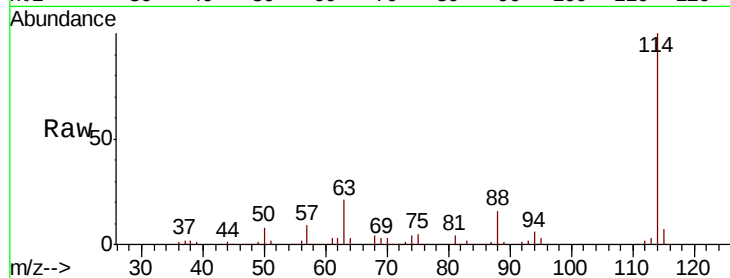
Tot Ion:114 Resp: 211421

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.4

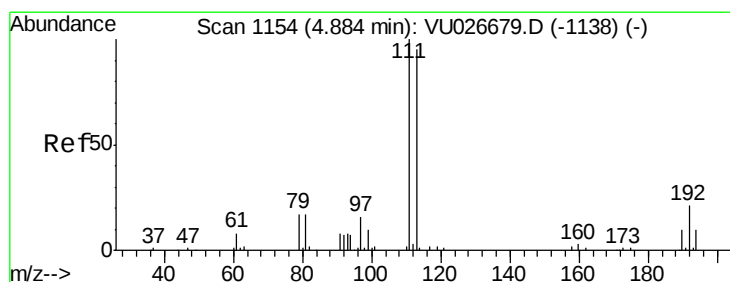
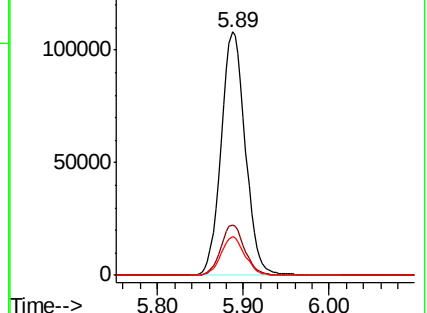
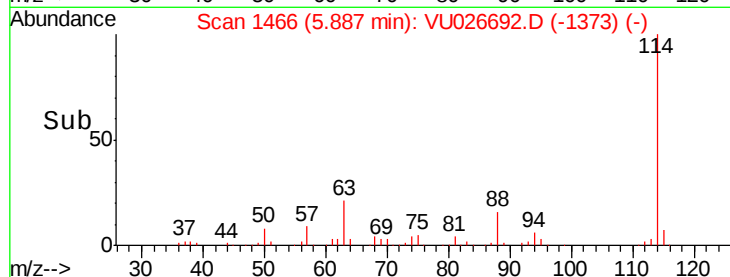
88 15.9 0.0 30.8



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: 51.07 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU026692.D

Acq: 12 Sep 2018 09:21

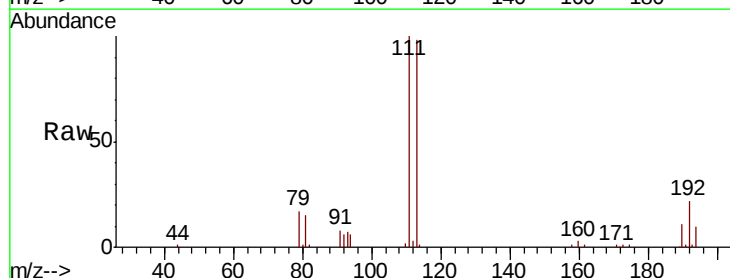
Tgt Ion:113 Resp: 88068

Ion Ratio Lower Upper

113 100

111 101.5 83.1 124.7

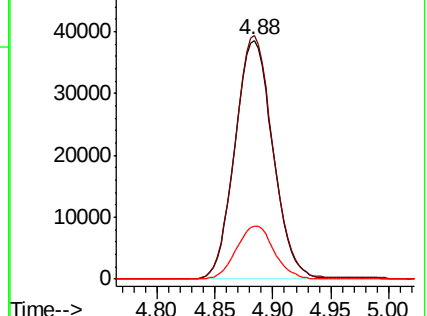
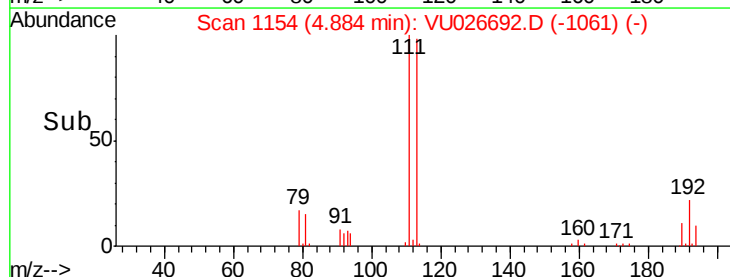
192 22.1 17.4 26.2

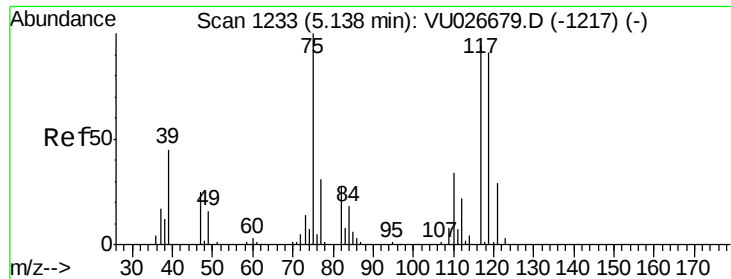


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

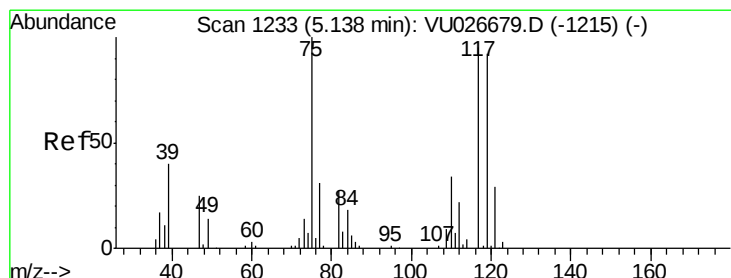
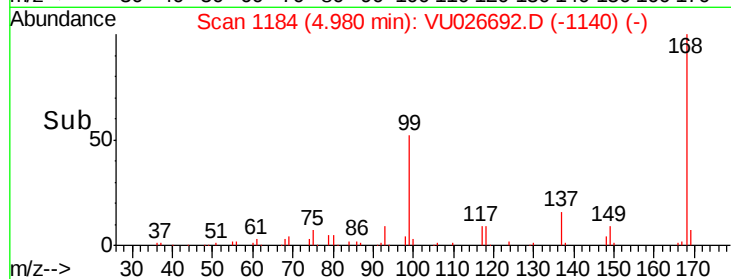
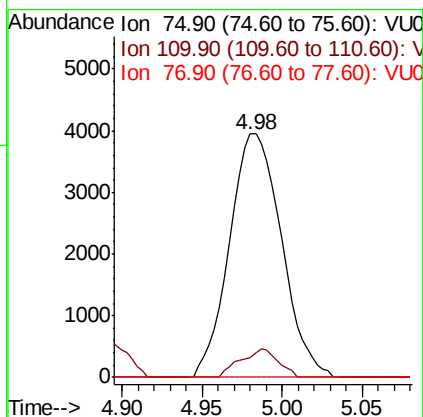
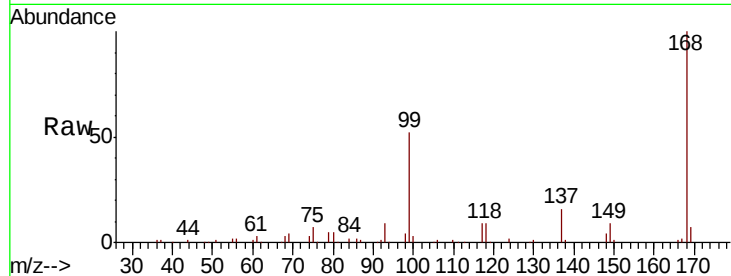




#36
 1,1-Dichloropropene
 Concen: 3.70 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU026692.D
 Acq: 12 Sep 2018 09:21

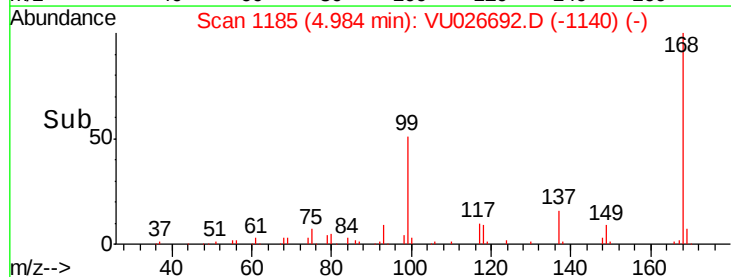
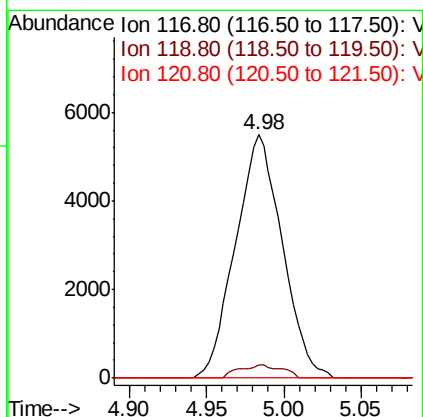
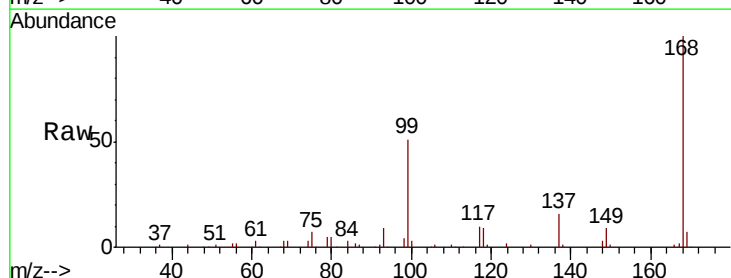
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBL02

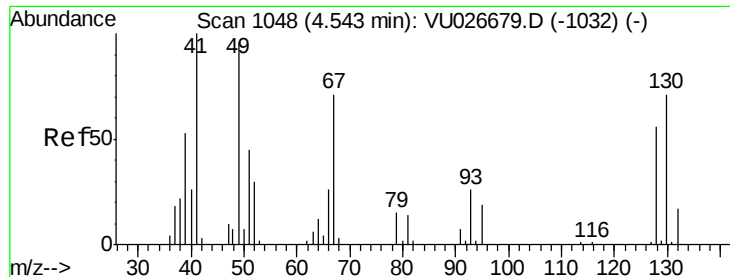
Tot Ion: 75 Resp: 8776
 Ion Ratio Lower Upper
 75 100
 110 8.4 17.3 51.9#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 4.60 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU026692.D
 Acq: 12 Sep 2018 09:21

Tgt Ion: 117 Resp: 11545
 Ion Ratio Lower Upper
 117 100
 119 5.7 77.8 116.8#
 121 0.0 25.0 37.4#

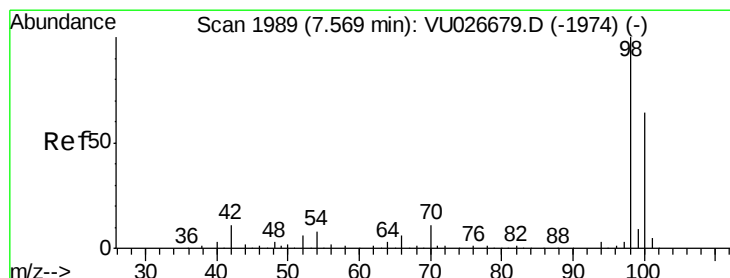
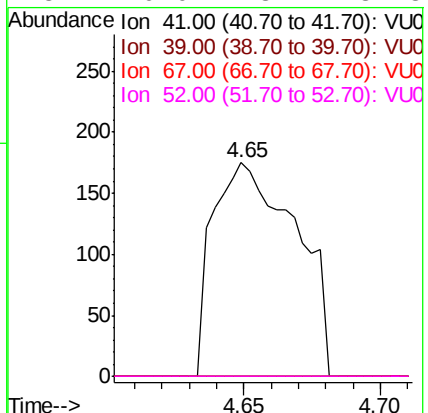
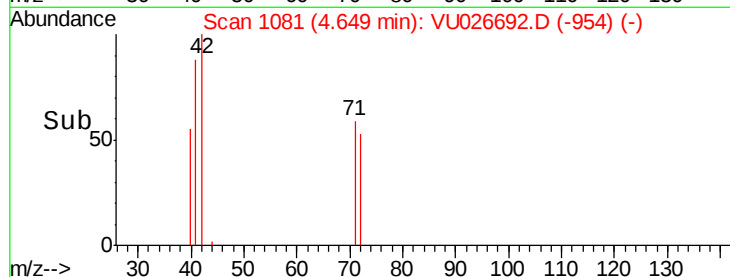
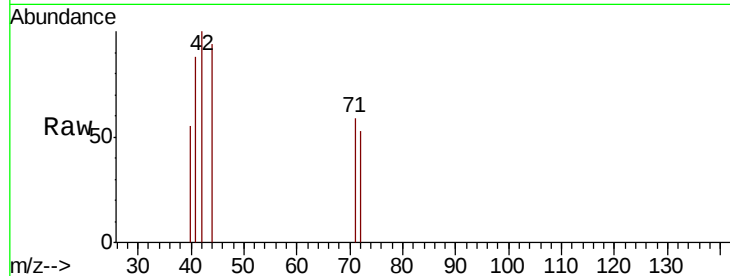




#41
Methacrylonitrile
Concen: 0.97 ug/l
RT: 4.65 min Scan# 1081
Delta R.T. 0.11 min
Lab File: VU026692.D
Acq: 12 Sep 2018 09:21

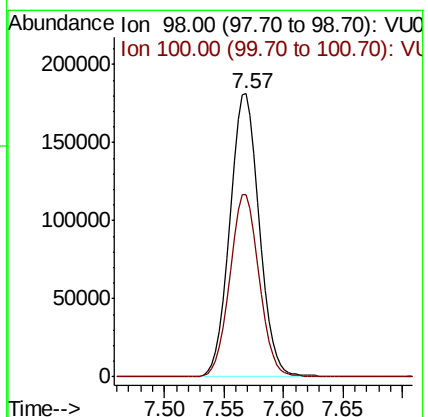
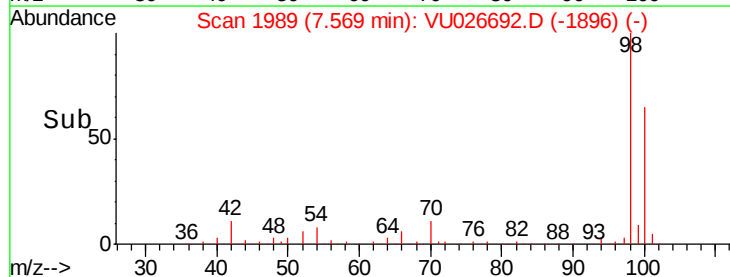
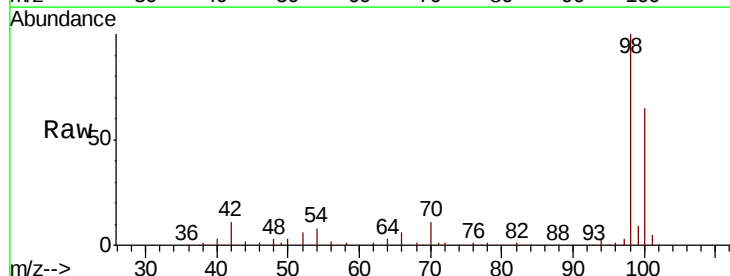
Instrument :
MSVOA_U
ClientSampleId :
VU0912MBL02

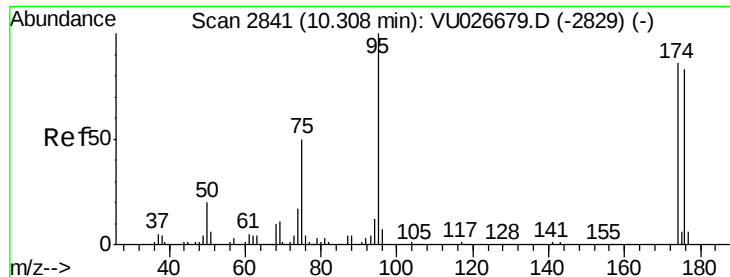
Tot Ion: 41 Resp: 372
Ion Ratio Lower Upper
41 100
39 0.0 42.9 64.3#
67 0.0 56.6 84.8#
52 0.0 23.2 34.8#



#50
Toluene-d8
Concen: 48.75 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU026692.D
Acq: 12 Sep 2018 09:21

Tgt Ion: 98 Resp: 310942
Ion Ratio Lower Upper
98 100
100 64.6 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 46.37 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU026692.D

Acq: 12 Sep 2018 09:21

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBL02

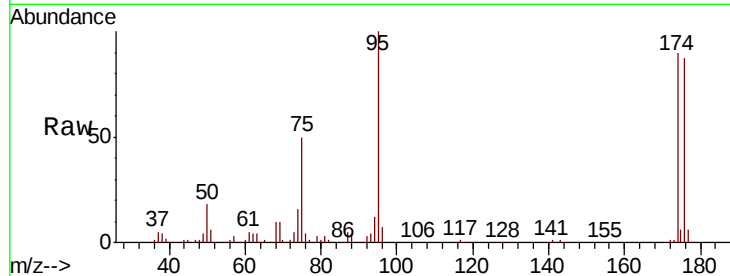
Tot Ion: 95 Resp: 107195

Ion Ratio Lower Upper

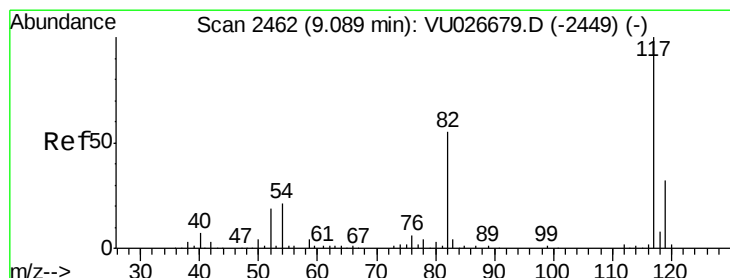
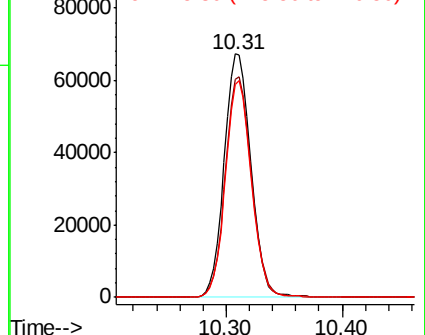
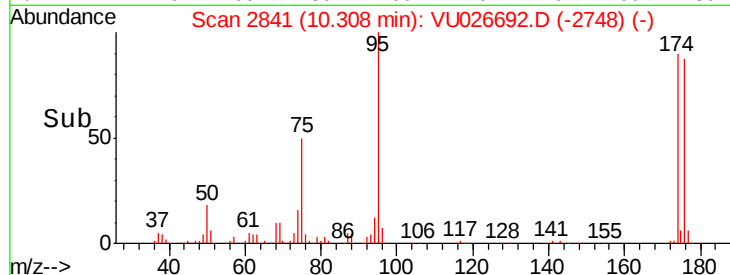
95 100

174 89.3 0.0 172.8

176 86.3 0.0 168.6



Abundance Ion 94.90 (94.60 to 95.60): VU026692.D (-2748) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VU026692.D

Acq: 12 Sep 2018 09:21

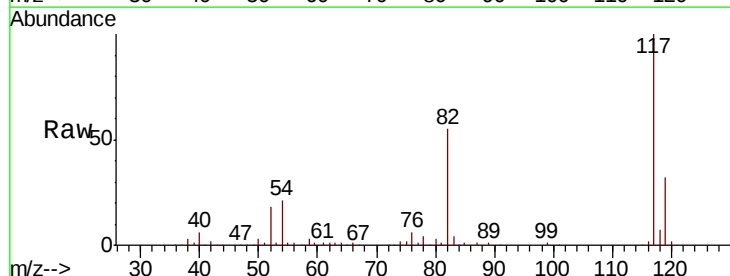
Tgt Ion: 117 Resp: 203586

Ion Ratio Lower Upper

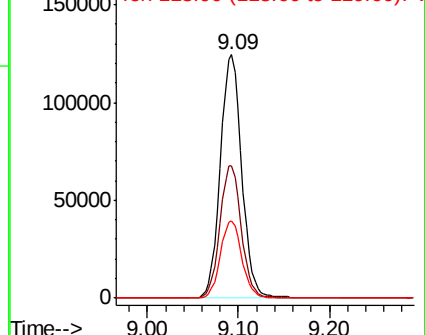
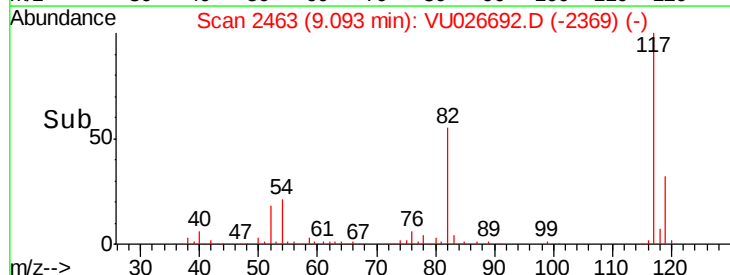
117 100

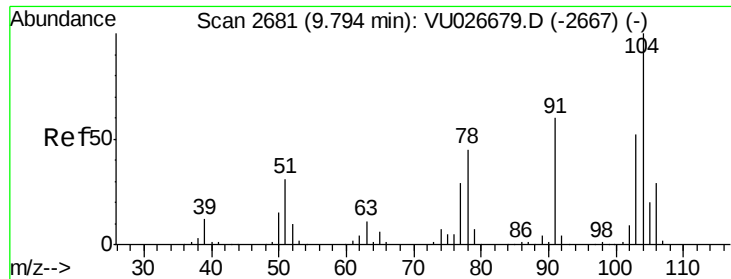
82 54.6 44.1 66.1

119 31.7 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): VU026692.D (-2369) (-)

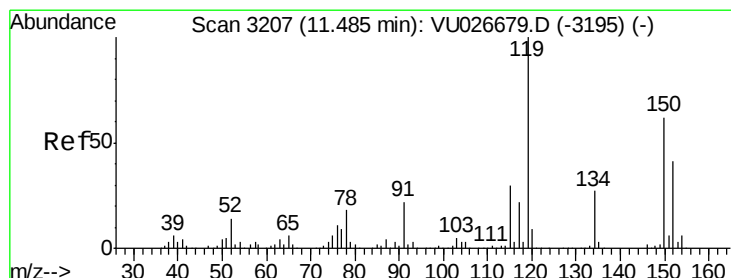
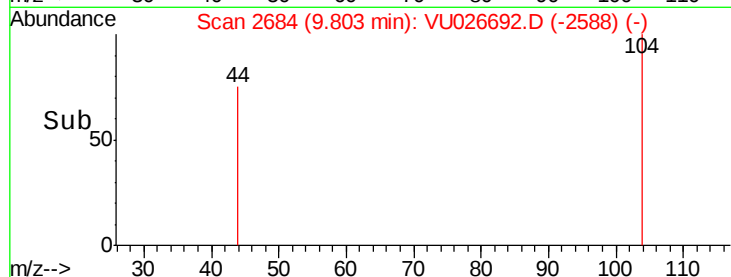
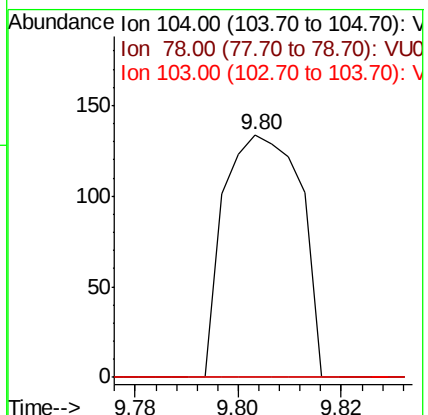
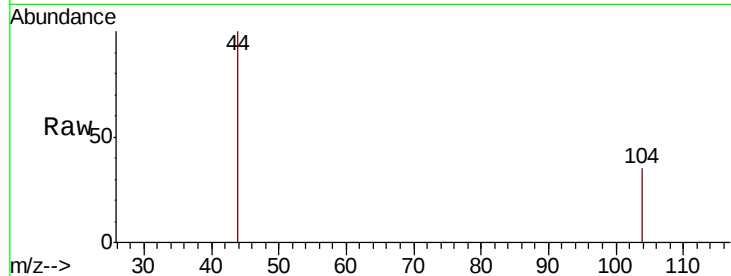




#70
Stvrene
Concen: 1.88 ug/l
RT: 9.80 min Scan# 2684
Delta R.T. 0.01 min
Lab File: VU026692.D
Acq: 12 Sep 2018 09:21

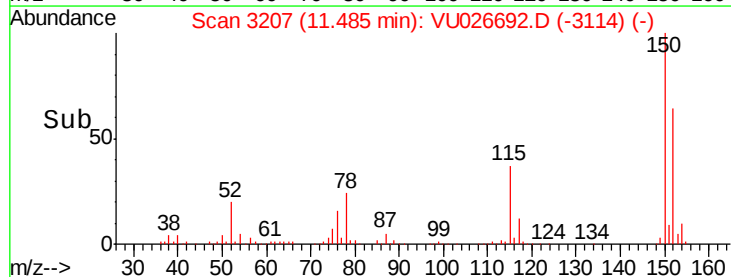
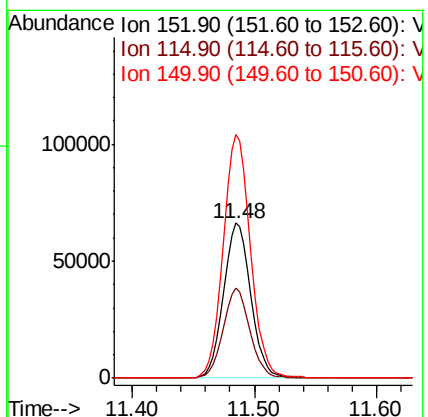
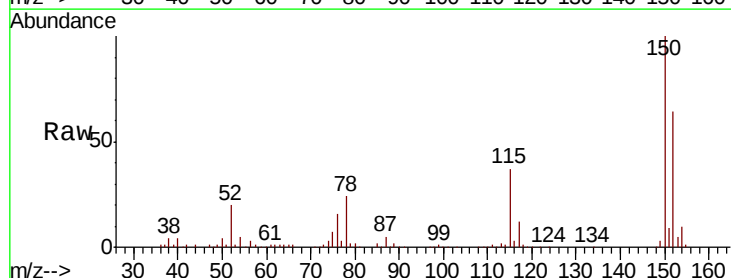
Instrument :
MSVOA_U
ClientSampleId :
VU0912MBL02

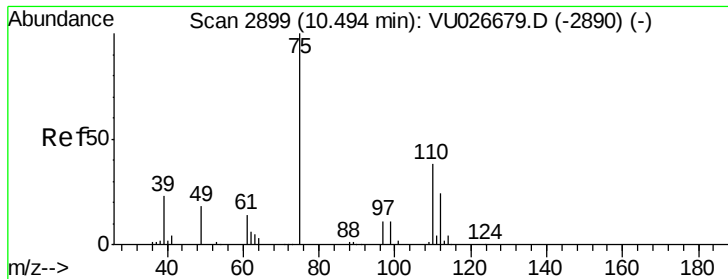
Tot Ion:104 Resp: 137
Ion Ratio Lower Upper
104 100
78 0.0 39.4 59.2#
103 0.0 44.5 66.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU026692.D
Acq: 12 Sep 2018 09:21

Tgt Ion:152 Resp: 104170
Ion Ratio Lower Upper
152 100
115 56.8 40.4 121.1
150 156.9 0.0 345.2





#76

1,2,3-Trichloropropane

Concen: 22.77 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU026692.D

Acq: 12 Sep 2018 09:21

Instrument :

MSVOA_U

ClientSampleId :

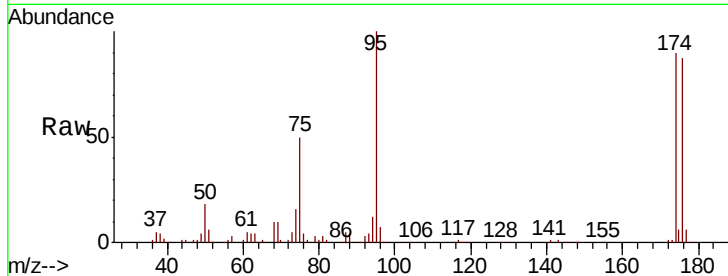
VU0912MBL02

Tot Ion: 75 Resp: 53134

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

10.31

30000

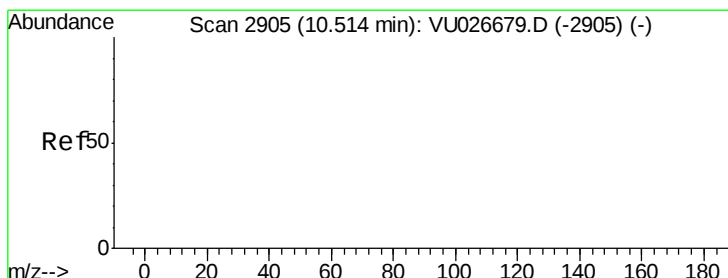
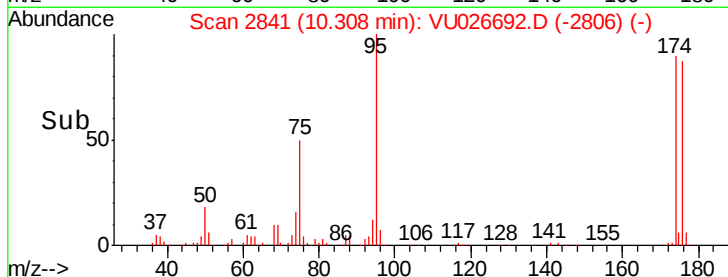
20000

10000

0

Time-->

10.30 10.40



#81

trans-1,4-Dichloro-2-butene

Concen: 68.54 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU026692.D

Acq: 12 Sep 2018 09:21

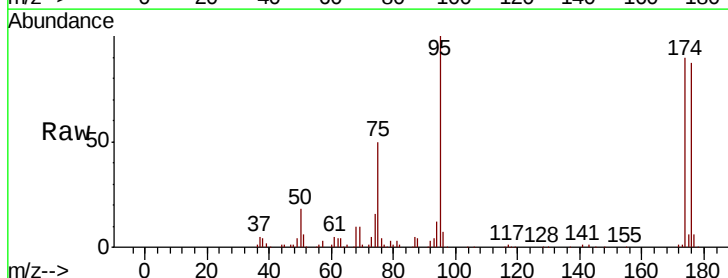
Tgt Ion: 75 Resp: 53134

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

10.31

40000

30000

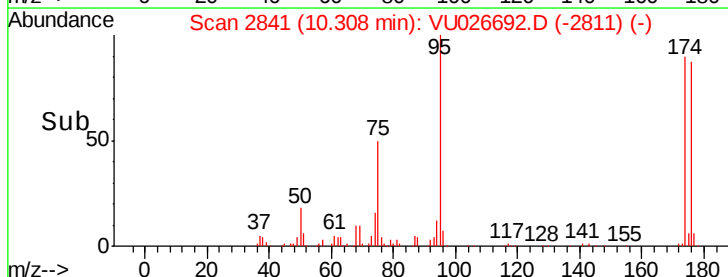
20000

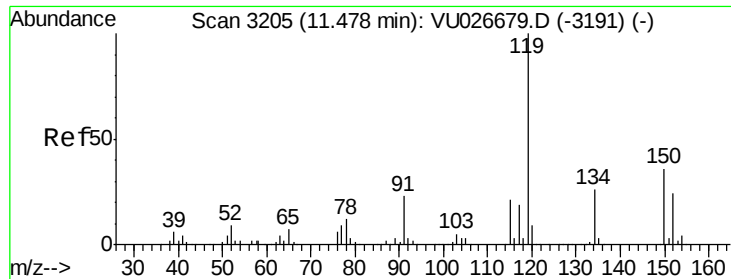
10000

0

Time-->

10.30 10.40





#86

p-Isopropyltoluene

Concen: 1.09 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU026692.D

Acq: 12 Sep 2018 09:21

Instrument :

MSVOA_U

ClientSampleId :

VU0912MBL02

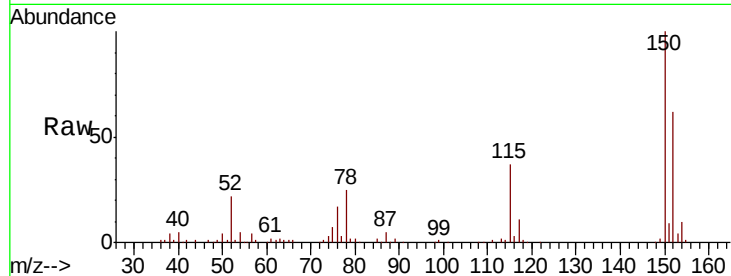
Tot Ion: 119 Resp: 272

Ion Ratio Lower Upper

119 100

134 14.7 13.2 39.5

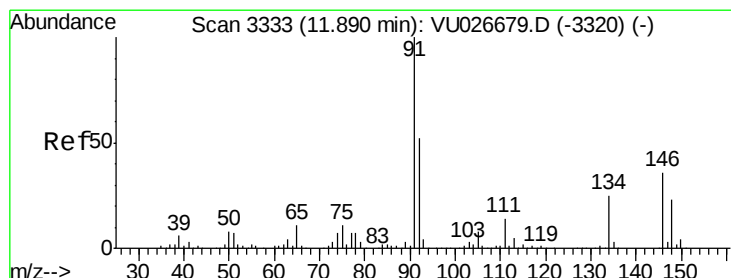
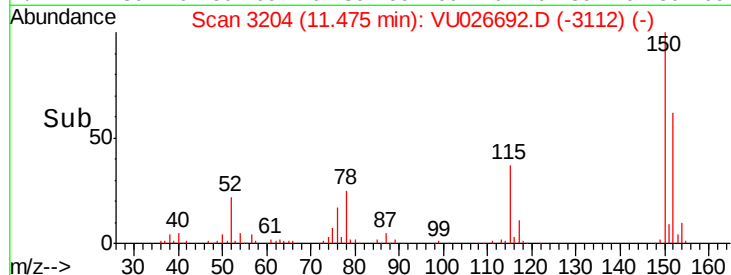
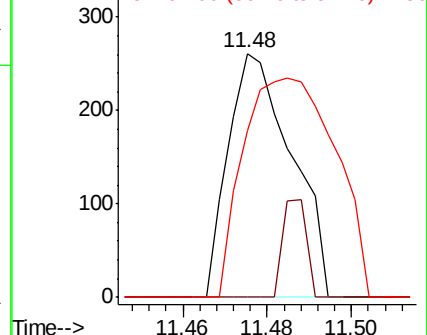
91 130.5 11.6 34.8#



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): V



#89

n-Butylbenzene

Concen: 2.16 ug/l

RT: 11.90 min Scan# 3335

Delta R.T. 0.01 min

Lab File: VU026692.D

Acq: 12 Sep 2018 09:21

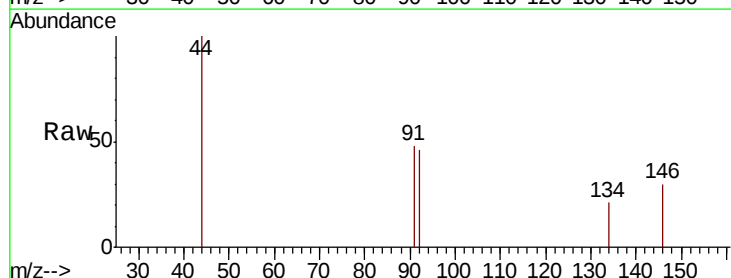
Tgt Ion: 91 Resp: 365

Ion Ratio Lower Upper

91 100

92 38.6 25.8 77.3

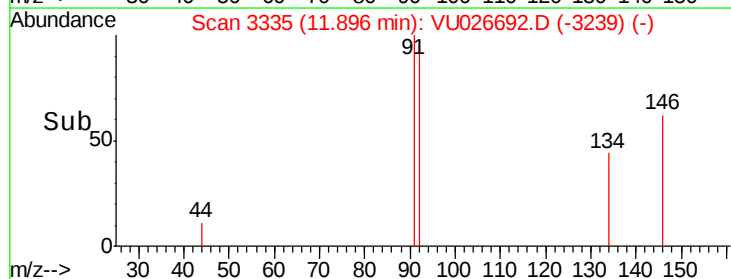
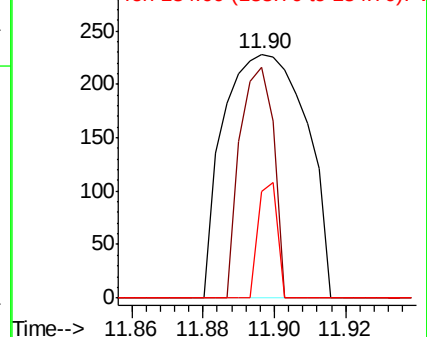
134 11.0 12.6 37.8#

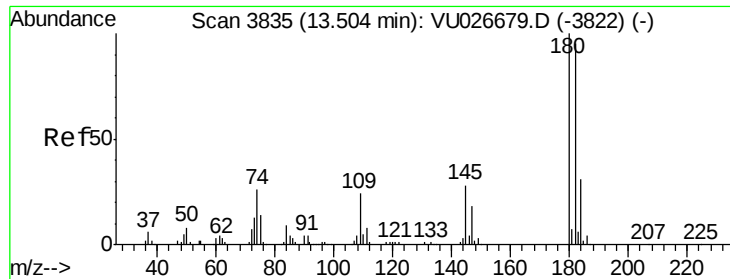


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

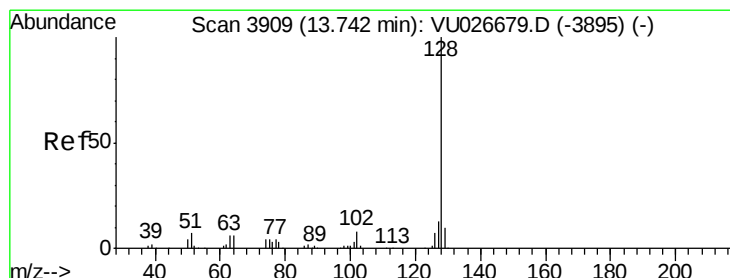
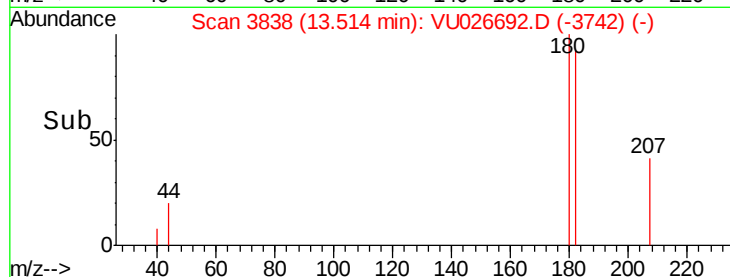
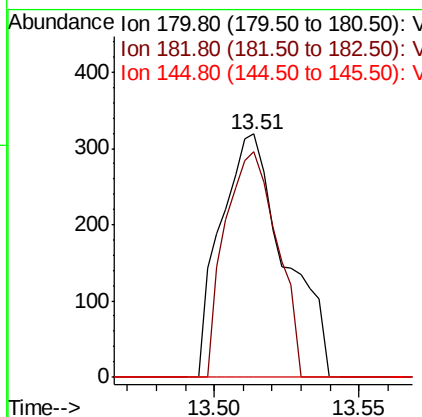
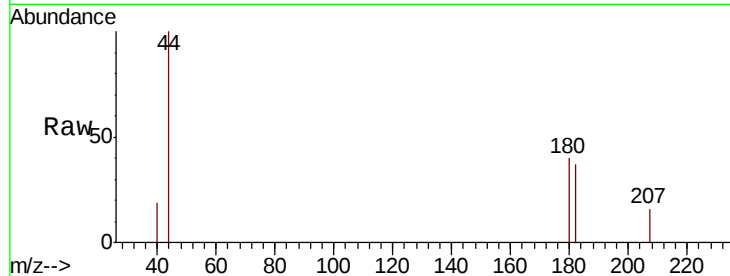




#93
 1,2,4-Trichlorobenzene
 Concen: 0.20 ug/l
 RT: 13.51 min Scan# 3838
 Delta R.T. 0.01 min
 Lab File: VU026692.D
 Acq: 12 Sep 2018 09:21

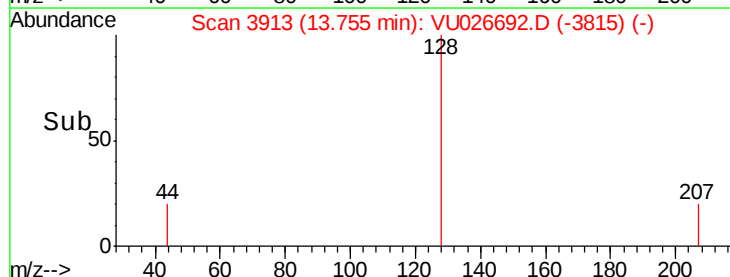
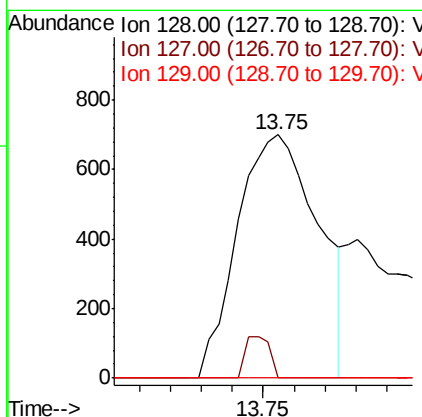
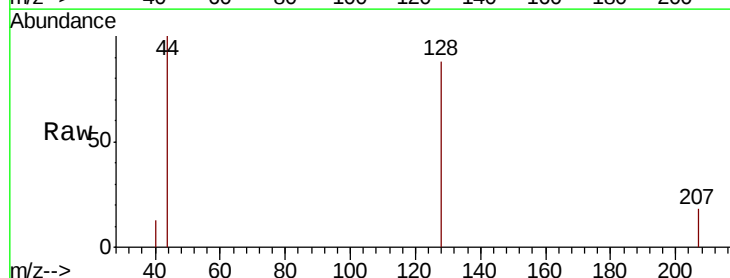
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBL02

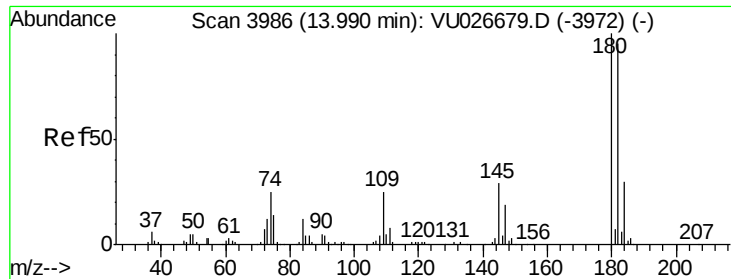
Tot Ion:180 Resp: 492
 Ion Ratio Lower Upper
 180 100
 182 74.6 47.9 143.7
 145 0.0 14.0 42.0#



#95
 Naphthalene
 Concen: 1.17 ug/l
 RT: 13.75 min Scan# 3913
 Delta R.T. 0.01 min
 Lab File: VU026692.D
 Acq: 12 Sep 2018 09:21

Tgt Ion:128 Resp: 1267
 Ion Ratio Lower Upper
 128 100
 127 5.2 10.4 15.6#
 129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.22 ug/l
 RT: 14.00 min Scan# 3989
 Delta R.T. 0.01 min
 Lab File: VU026692.D
 Acq: 12 Sep 2018 09:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912MBL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.0	47.9	143.7
145	0.0	14.9	44.9#

