

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092218\
 Data File : VU026983.D
 Acq On : 21 Sep 2018 21:38
 Operator : MD/SY
 Sample : J4916-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FC-DUP01-20180911

Quant Time: Sep 22 02:23:53 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	81676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	160132	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	160882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	79056	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	92318	56.16	ug/l	0.00
Spiked Amount			Recovery	=	112.32%	
35) Dibromofluoromethane	4.89	113	69344	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
50) Toluene-d8	7.57	98	257206	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	
62) 4-Bromofluorobenzene	10.31	95	88545	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	

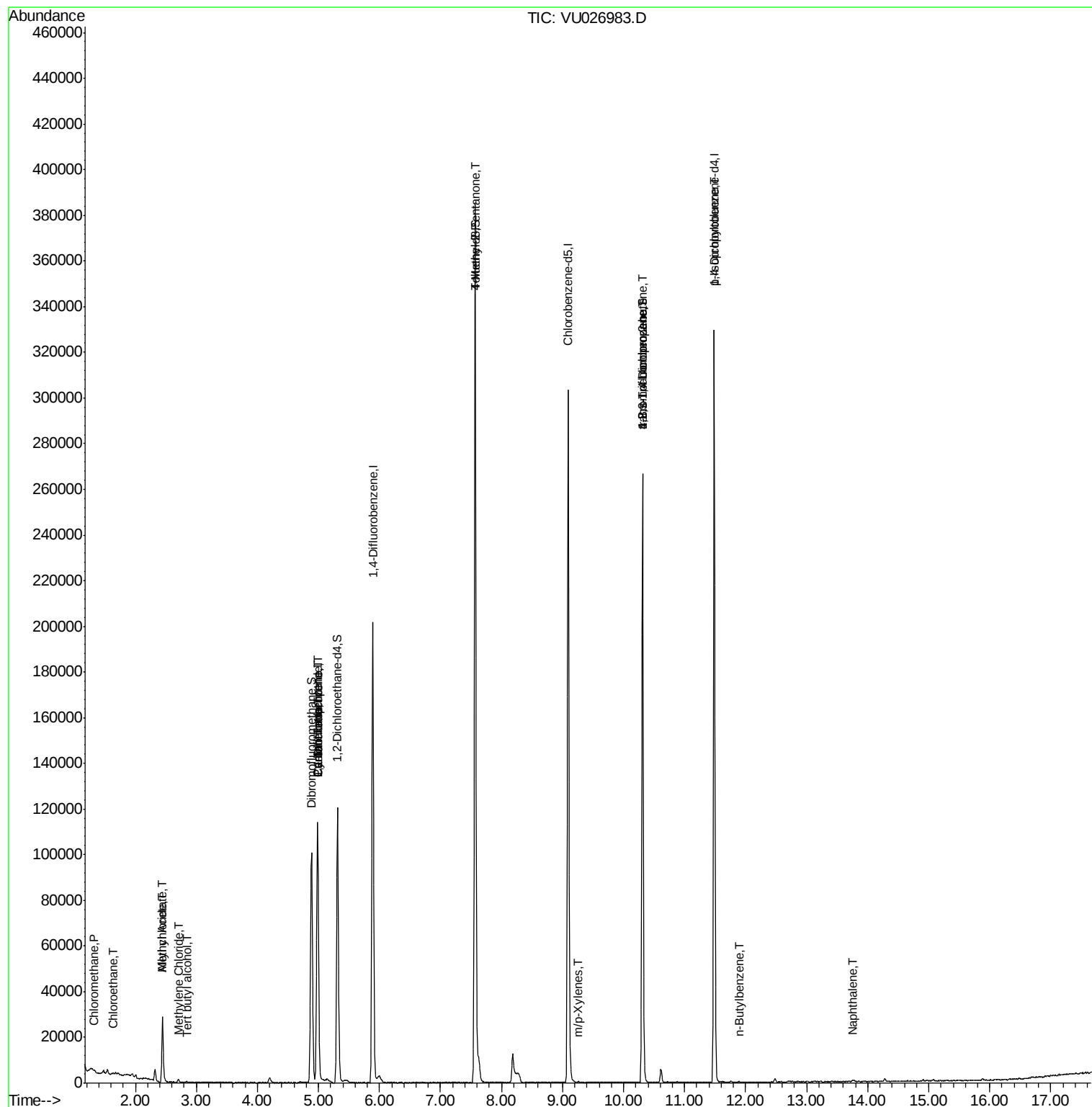
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	438	0.238	ug/l #	87
6) Chloroethane	1.64	64	260	0.237	ug/l #	43
11) Tert butyl alcohol	2.84	59	257	0.682	ug/l #	72
14) Allyl chloride	2.44	41	2598	1.135	ug/l #	66
16) Acetone	2.32	43	5299	Below Cal		100
18) Methyl Acetate	2.45	43	6748	2.884	ug/l #	55
20) Methylene Chloride	2.70	84	453	0.308	ug/l #	91
31) Cyclohexane	4.99	56	2169	0.314	ug/l #	5
36) 1,1-Dichloropropene	4.98	75	7489	3.504	ug/l #	50
38) Carbon Tetrachloride	4.99	117	8381	4.121	ug/l #	18
51) 4-Methyl-2-Pentanone	7.56	43	1235	0.435	ug/l #	1
68) m/p-Xylenes	9.25	106	41	1.515	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	47865	19.930	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	47865	63.778	ug/l #	100
86) p-Isopropyltoluene	11.48	119	19	0.931	ug/l #	1
89) n-Butylbenzene	11.90	91	66	2.404	ug/l #	33
95) Naphthalene	13.75	128	1530	1.915	ug/l #	69

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

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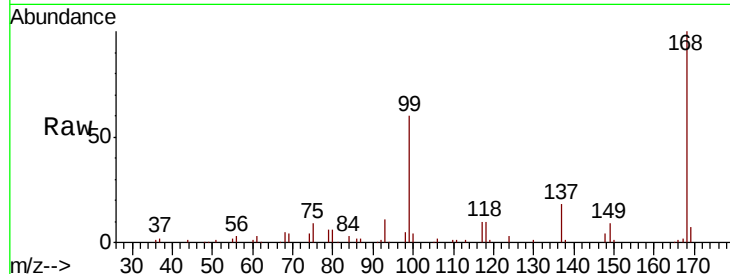




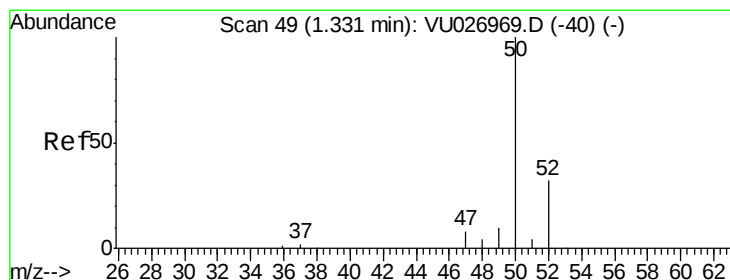
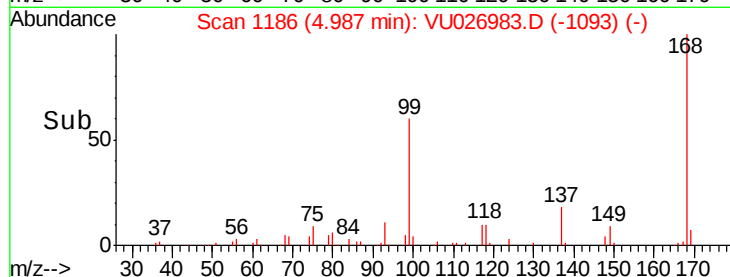
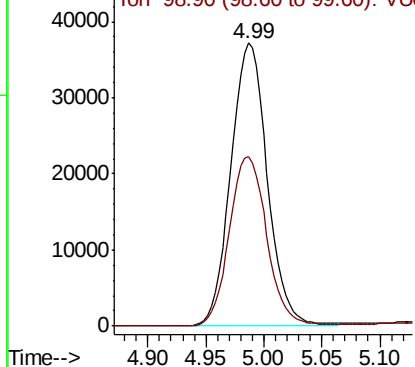
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VU026983.D
Acq: 21 Sep 2018 21:38

Instrument :
MSVOA_U
ClientSampleId :
FC-DUP01-20180911

Tgt Ion:168 Resp: 81676
Ion Ratio Lower Upper
168 100
99 59.9 48.1 72.1

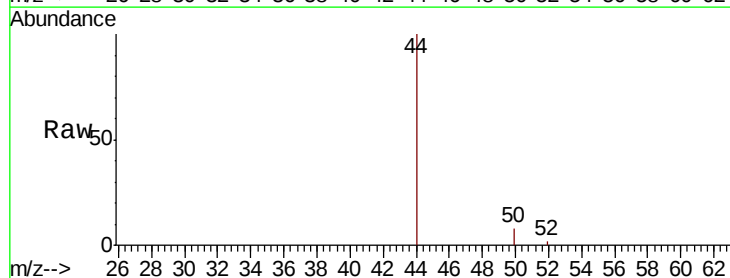


Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)
Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

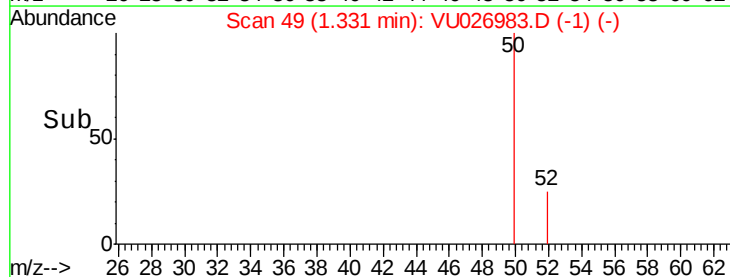
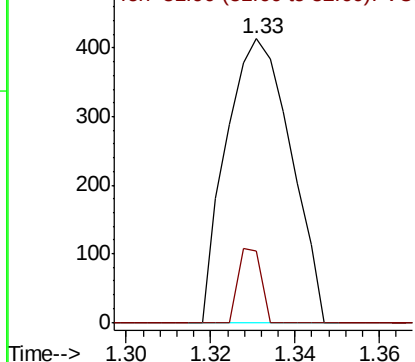


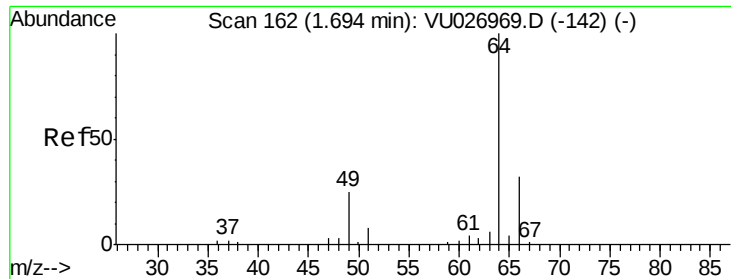
#3
Chloromethane
Concen: 0.238 ug/l
RT: 1.33 min Scan# 49
Delta R.T. 0.00 min
Lab File: VU026983.D
Acq: 21 Sep 2018 21:38

Tgt Ion: 50 Resp: 438
Ion Ratio Lower Upper
50 100
52 25.2 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) (-)





#6

Chloroethane

Concen: 0.237 ug/l

RT: 1.64 min Scan# 144

Delta R.T. -0.06 min

Lab File: VU026983.D

Acq: 21 Sep 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

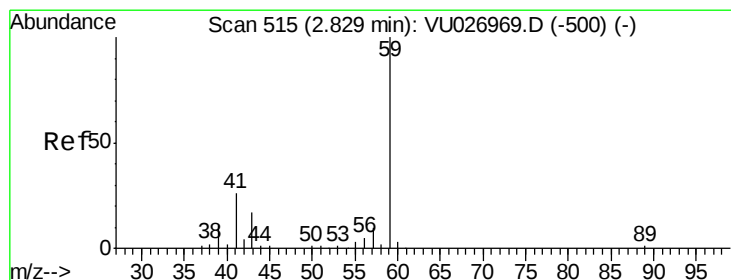
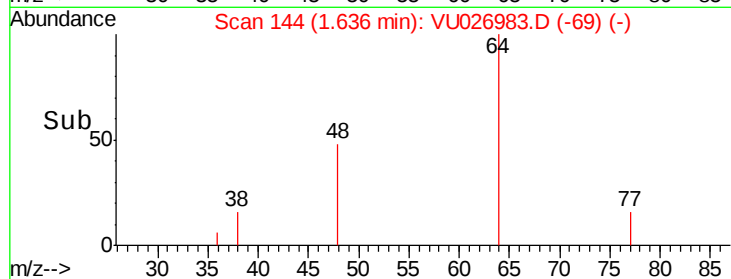
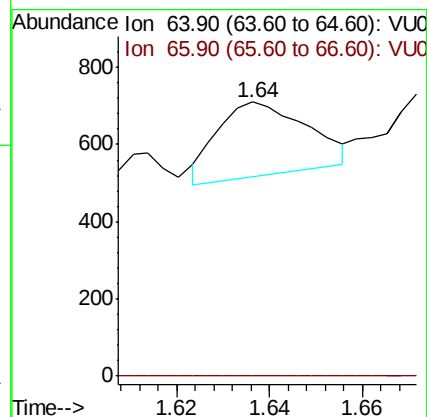
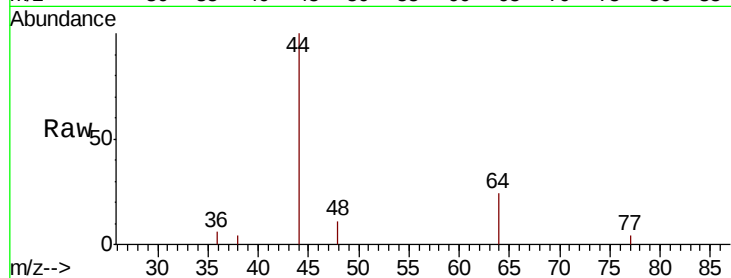
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Tgt Ion: 64 Resp: 260

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



#11

Tert butyl alcohol

Concen: 0.682 ug/l

RT: 2.84 min Scan# 519

Delta R.T. 0.01 min

Lab File: VU026983.D

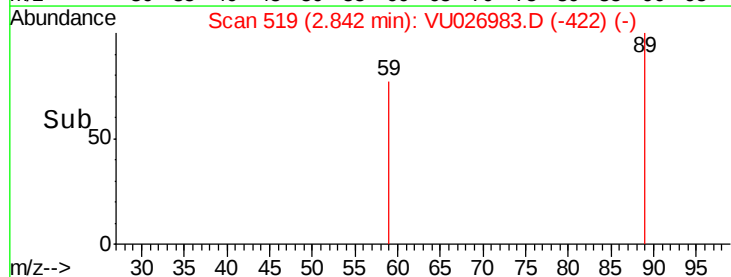
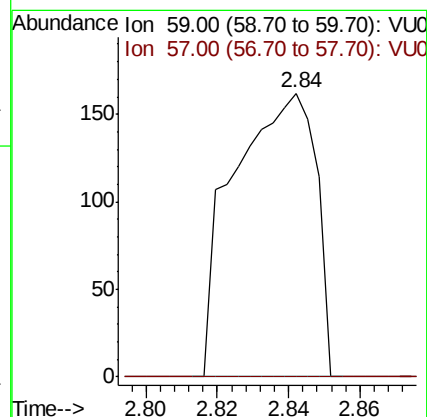
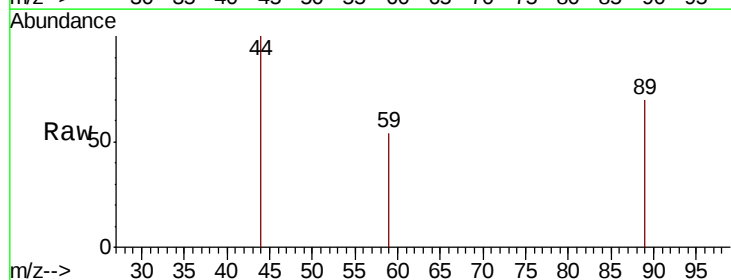
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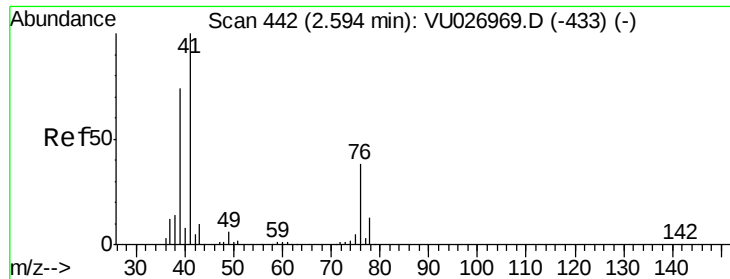
Tgt Ion: 59 Resp: 257

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#

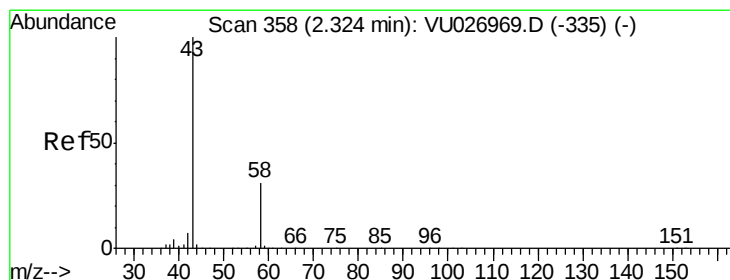
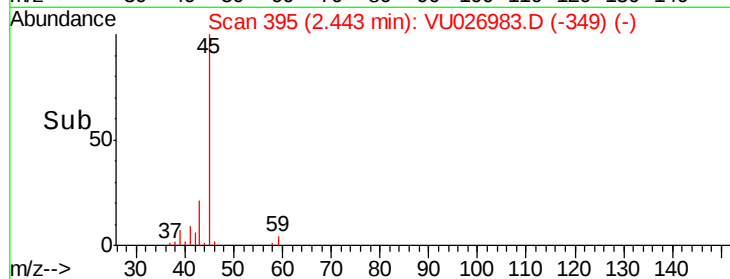
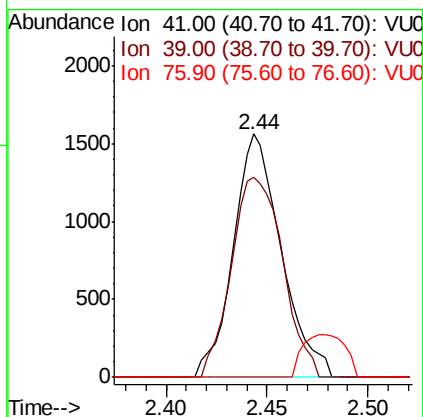
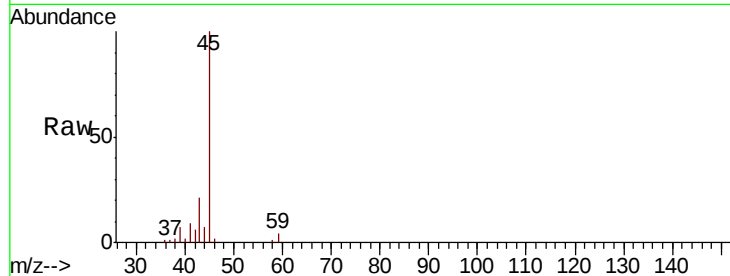




#14
 Allyl chloride
 Concen: 1.135 ug/l
 RT: 2.44 min Scan# 395
 Delta R.T. -0.15 min
 Lab File: VU026983.D
 Acq: 21 Sep 2018 21:38

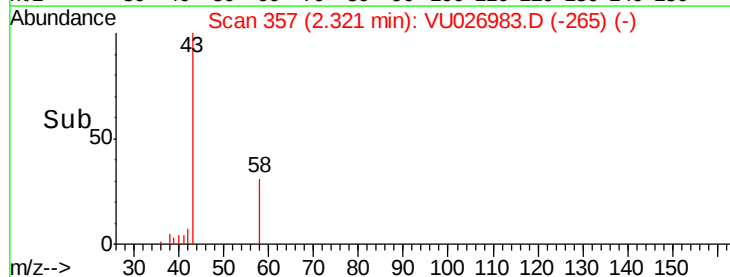
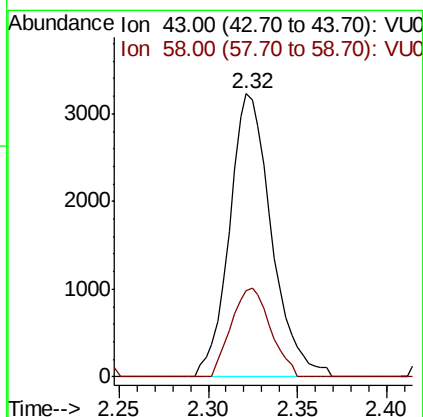
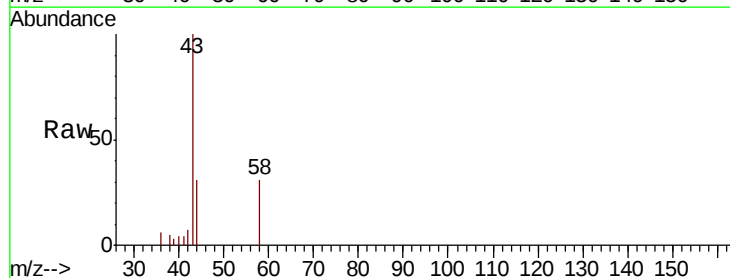
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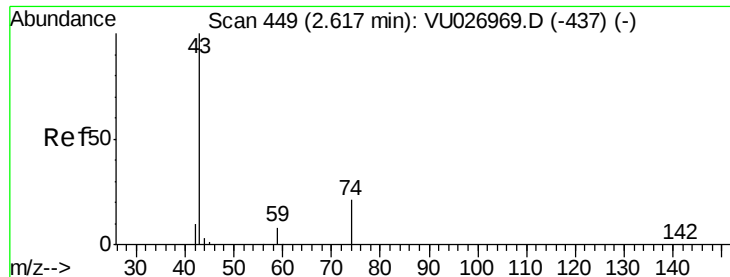
Tgt Ion: 41 Resp: 2598
 Ion Ratio Lower Upper
 41 100
 39 88.0 55.7 83.5#
 76 0.0 26.5 39.7#



#16
 Acetone
 Concen: Below Cal
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU026983.D
 Acq: 21 Sep 2018 21:38

Tgt Ion: 43 Resp: 5299
 Ion Ratio Lower Upper
 43 100
 58 30.5 24.6 36.8

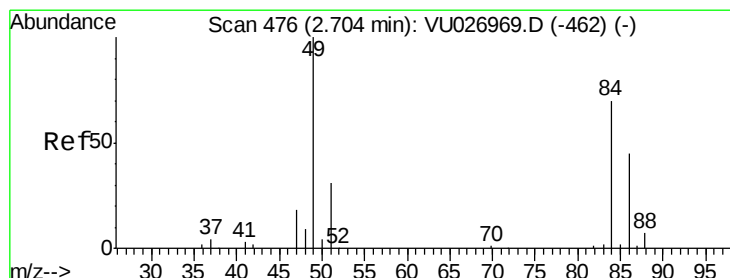
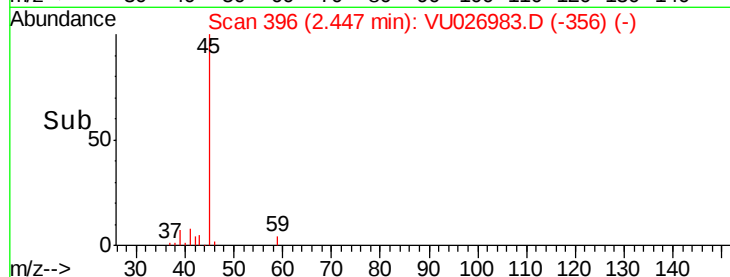
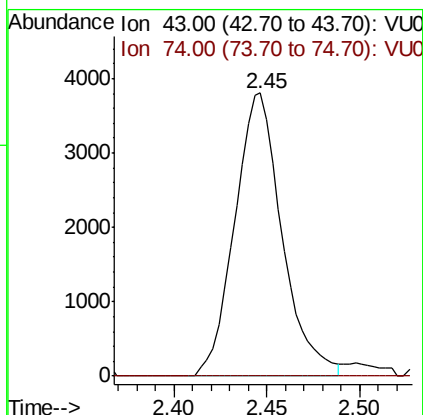
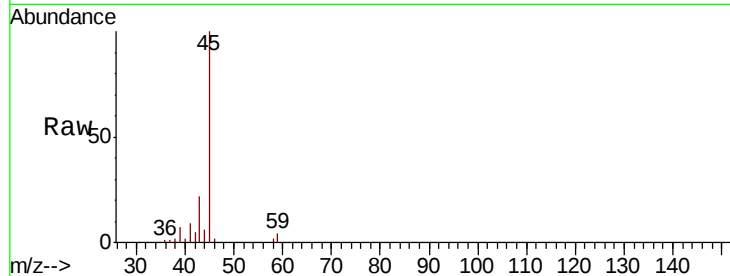




#18
Methyl Acetate
Concen: 2.884 ug/l
RT: 2.45 min Scan# 396
Delta R.T. -0.17 min
Lab File: VU026983.D
Acq: 21 Sep 2018 21:38

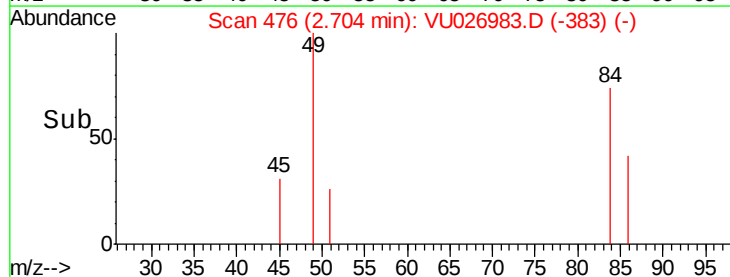
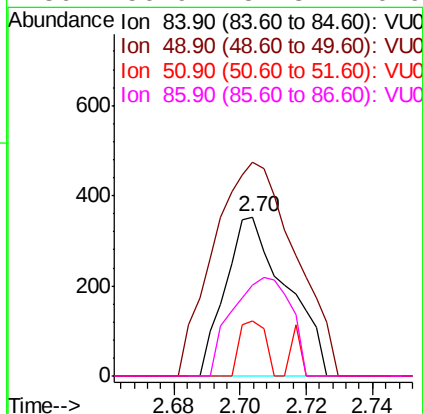
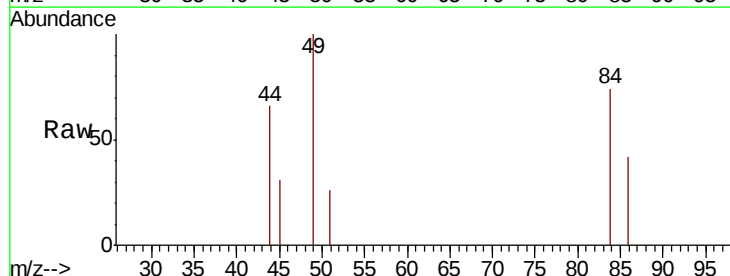
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ClientSampleId :
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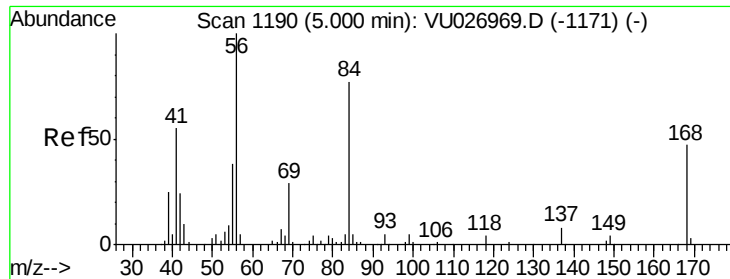
Tgt Ion: 43 Resp: 6748
Ion Ratio Lower Upper
43 100
74 0.0 16.6 25.0#



#20
Methylene Chloride
Concen: 0.308 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU026983.D
Acq: 21 Sep 2018 21:38

Tgt Ion: 84 Resp: 453
Ion Ratio Lower Upper
84 100
49 134.3 114.9 172.3
51 34.3 35.8 53.8#
86 56.9 51.3 76.9

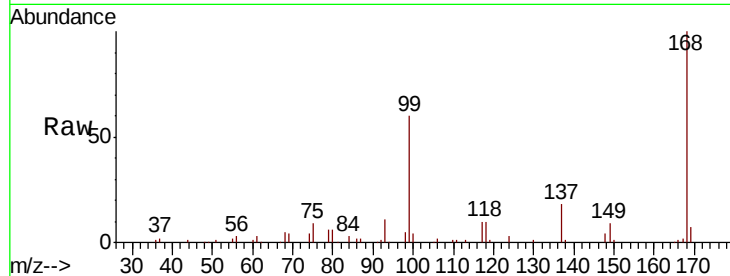




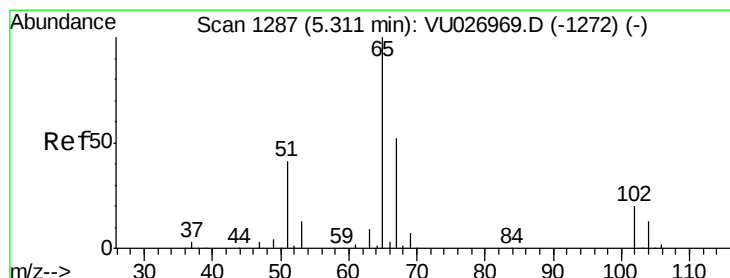
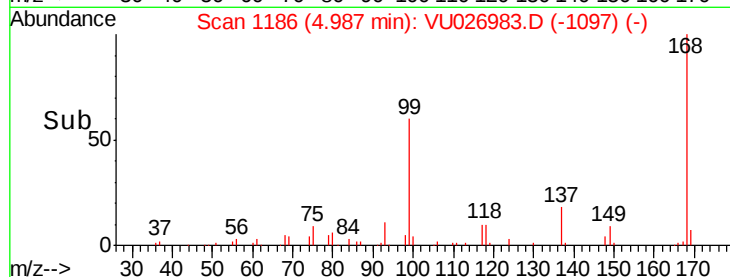
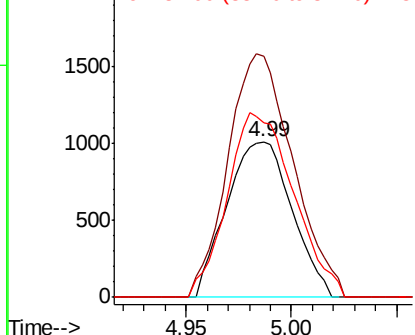
#31
Cyclohexane
Concen: 0.314 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU026983.D
Acq: 21 Sep 2018 21:38

Instrument :
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ClientSampleId :
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Tgt Ion: 56 Resp: 2169
Ion Ratio Lower Upper
56 100
69 154.7 23.0 34.4#
84 112.5 61.4 92.2#

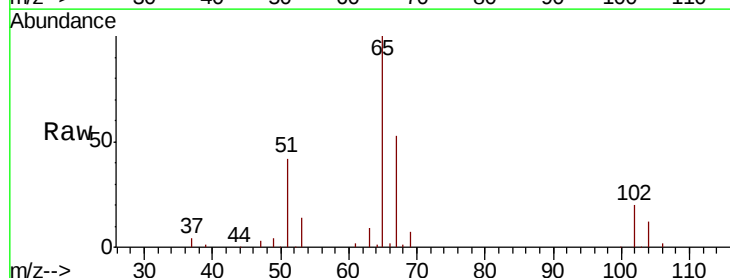


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

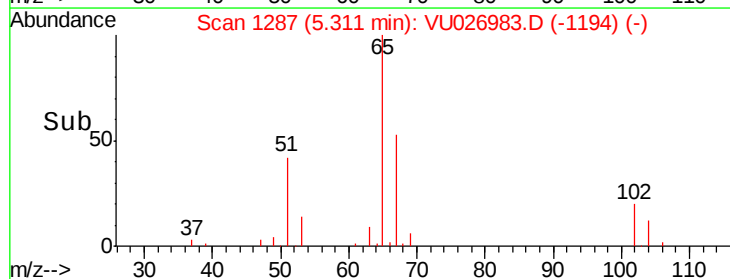
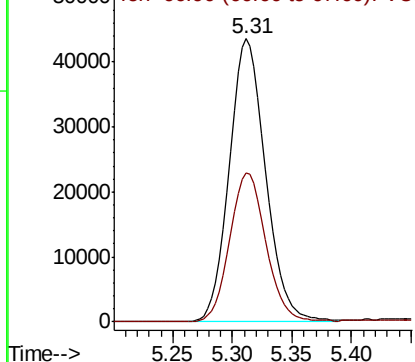


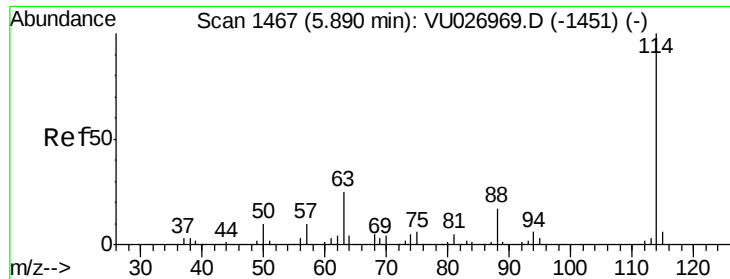
#33
1,2-Dichloroethane-d4
Concen: 56.159 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU026983.D
Acq: 21 Sep 2018 21:38

Tgt Ion: 65 Resp: 92318
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.6



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

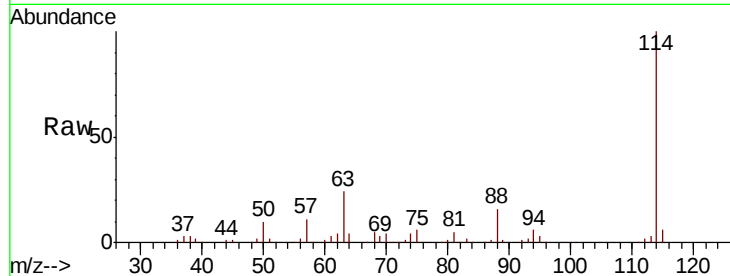




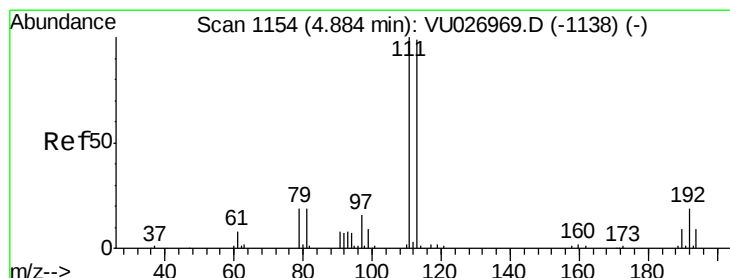
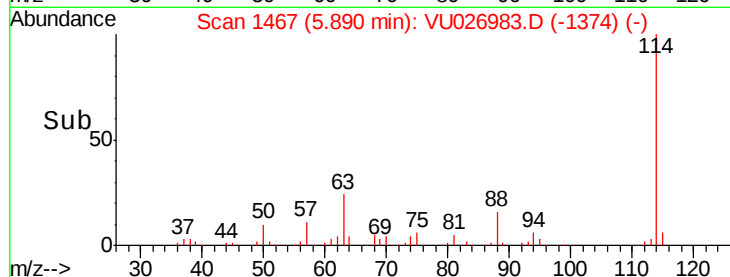
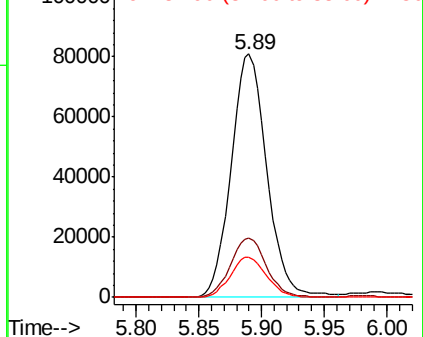
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU026983.D
 Acq: 21 Sep 2018 21:38

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Tgt Ion:114 Resp: 160132
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 49.2
 88 16.4 0.0 33.8

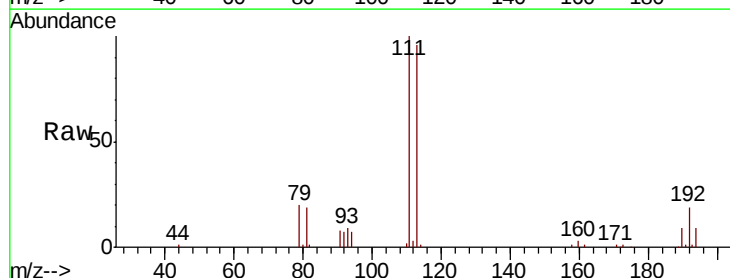


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

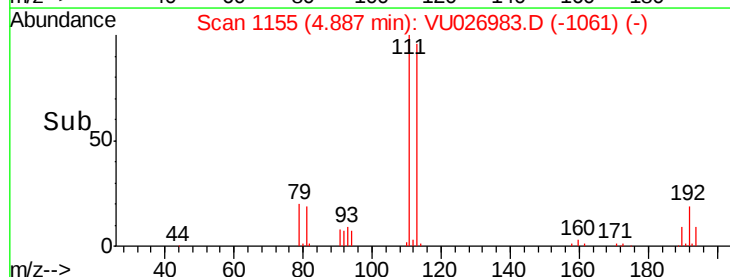
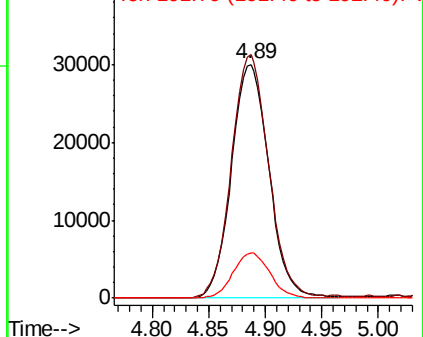


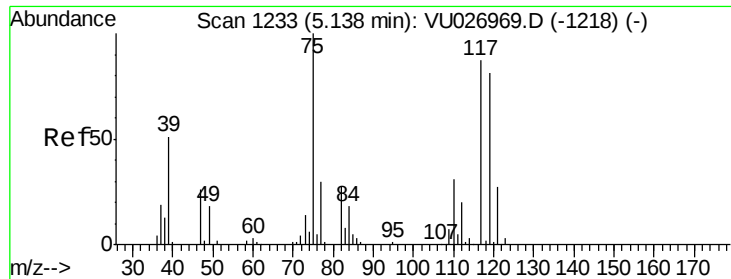
#35
 Dibromofluoromethane
 Concen: 49.959 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU026983.D
 Acq: 21 Sep 2018 21:38

Tgt Ion:113 Resp: 69344
 Ion Ratio Lower Upper
 113 100
 111 104.2 82.2 123.4
 192 19.0 15.2 22.8



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

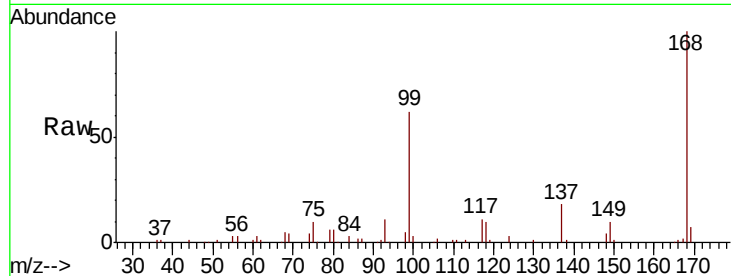




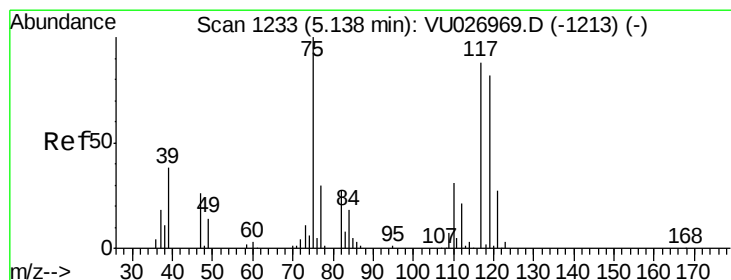
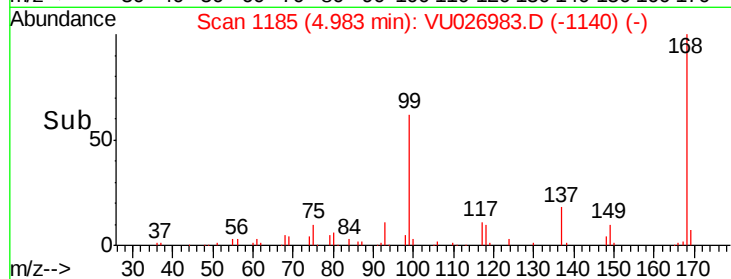
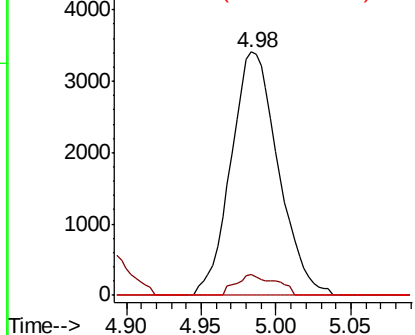
#36
 1,1-Dichloropropene
 Concen: 3.504 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU026983.D
 Acq: 21 Sep 2018 21:38

Instrument :
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Tgt Ion: 75 Resp: 7489
 Ion Ratio Lower Upper
 75 100
 110 7.2 16.1 48.2#
 77 0.0 24.6 36.8#

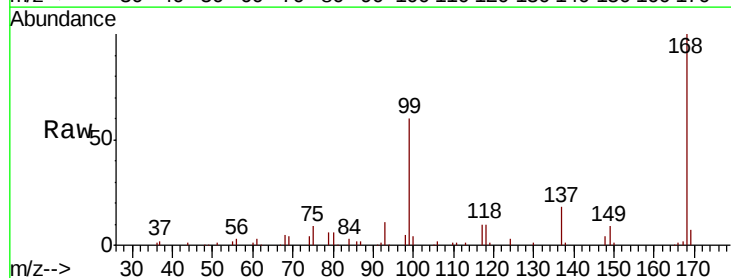


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

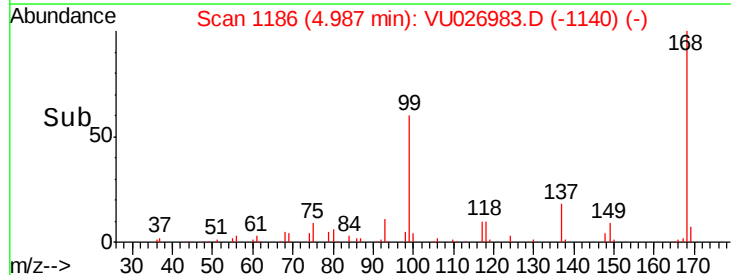
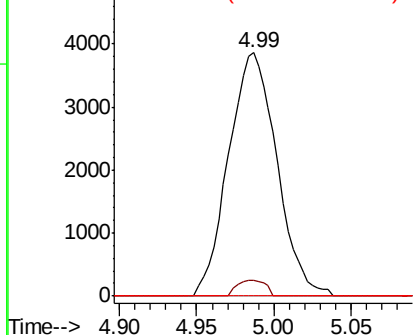


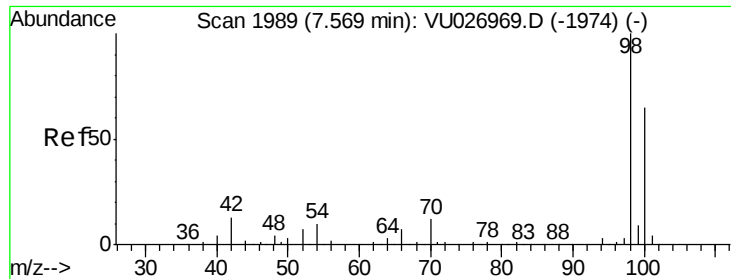
#38
 Carbon Tetrachloride
 Concen: 4.121 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU026983.D
 Acq: 21 Sep 2018 21:38

Tgt Ion: 117 Resp: 8381
 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: 48.623 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU026983.D

Acq: 21 Sep 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

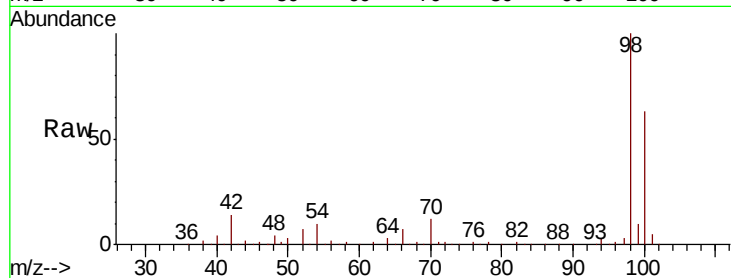
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Tgt Ion: 98 Resp: 257206

Ion Ratio Lower Upper

98 100

100 61.7 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU026969.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU026969.D (-1974) (-)

7.57

150000

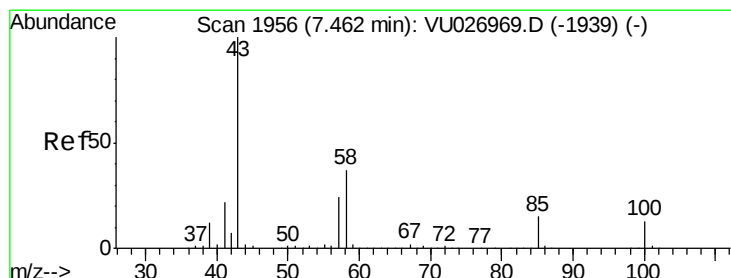
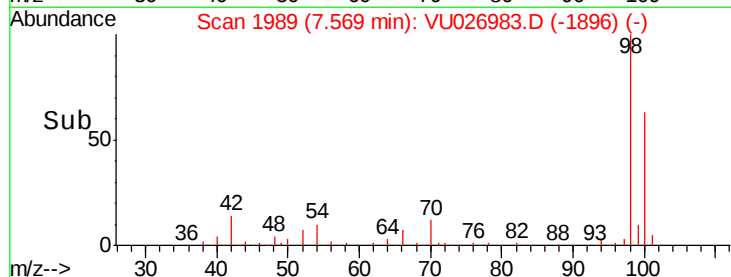
100000

50000

0

7.50 7.55 7.60 7.65 7.70

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.435 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.10 min

Lab File: VU026983.D

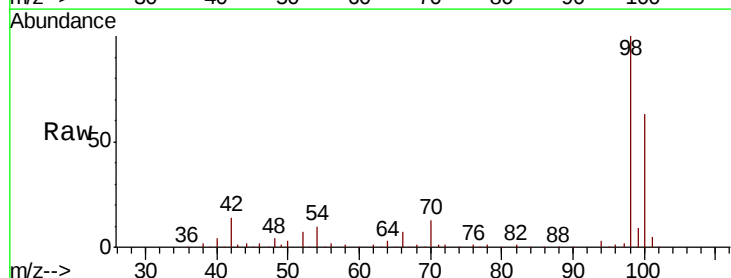
Acq: 21 Sep 2018 21:38

Tgt Ion: 43 Resp: 1235

Ion Ratio Lower Upper

43 100

58 181.9 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU026969.D (-1939) (-)

1500

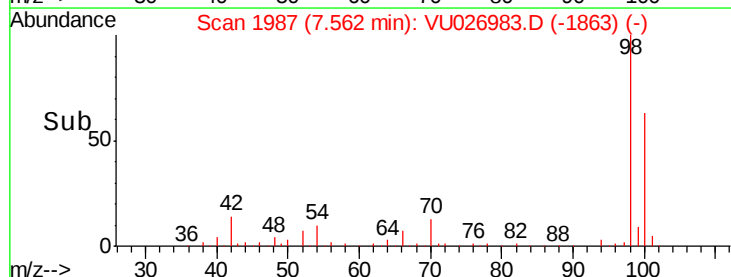
1000

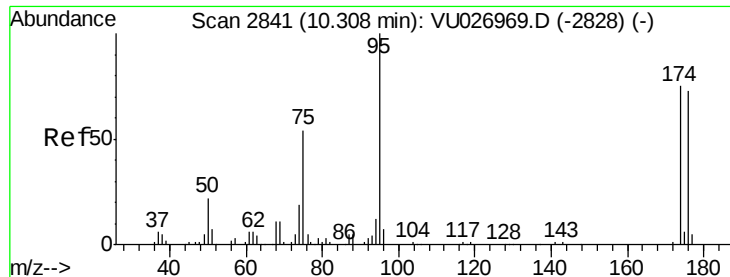
500

0

7.55 7.56 7.57 7.58 7.59 7.60

Time-->





#62

4-Bromofluorobenzene

Concen: 48.782 ug/l

RT: 10.31 min Scan# 2842

Delta R.T. 0.00 min

Lab File: VU026983.D

Acq: 21 Sep 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

FC-DUP01-20180911

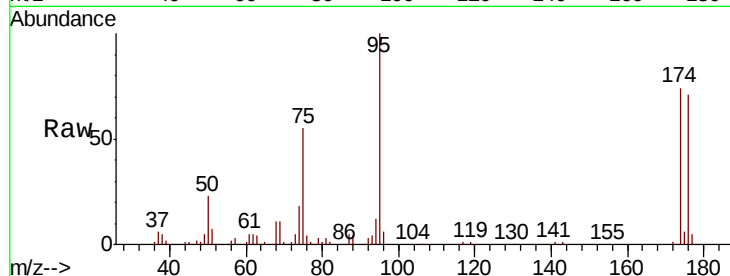
Tgt Ion: 95 Resp: 88545

Ion Ratio Lower Upper

95 100

174 74.9 0.0 150.2

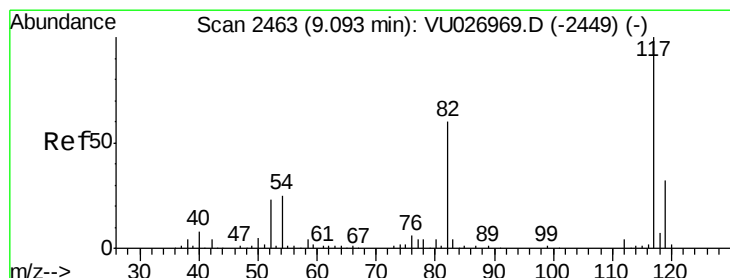
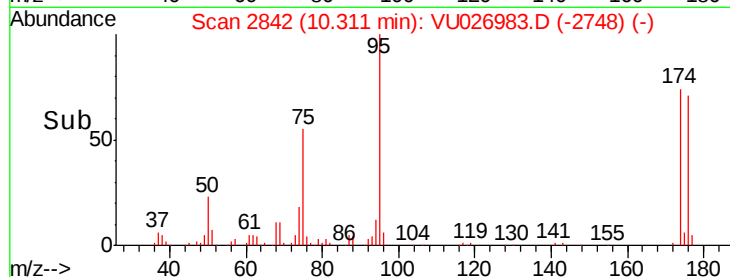
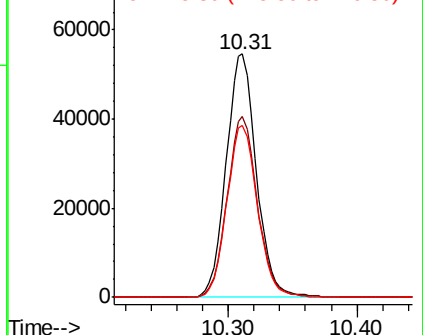
176 71.7 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VU026983.D

Acq: 21 Sep 2018 21:38

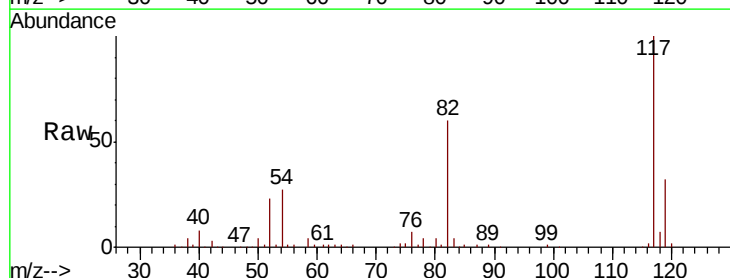
Tgt Ion: 117 Resp: 160882

Ion Ratio Lower Upper

117 100

82 60.4 48.0 72.0

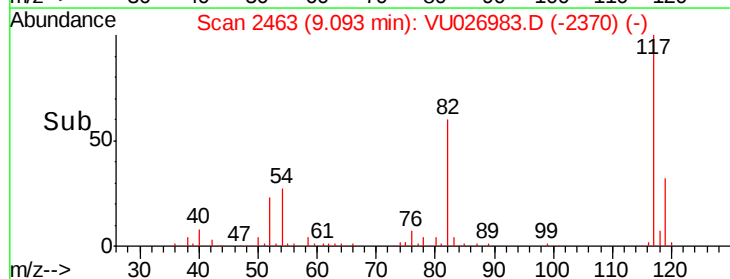
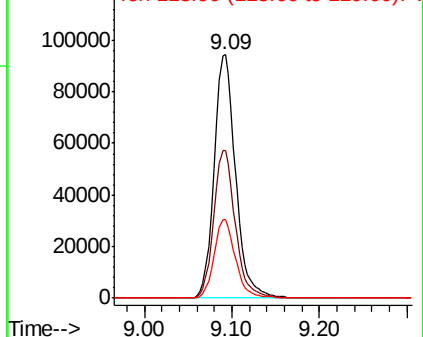
119 32.2 25.8 38.8

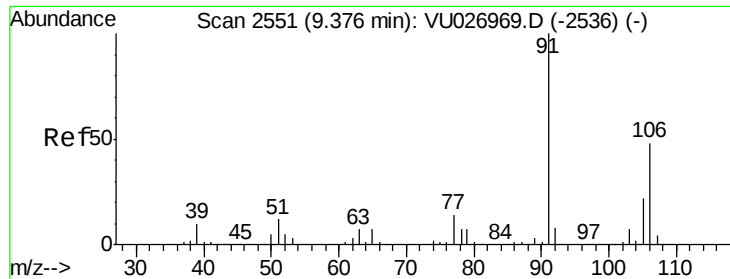


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V

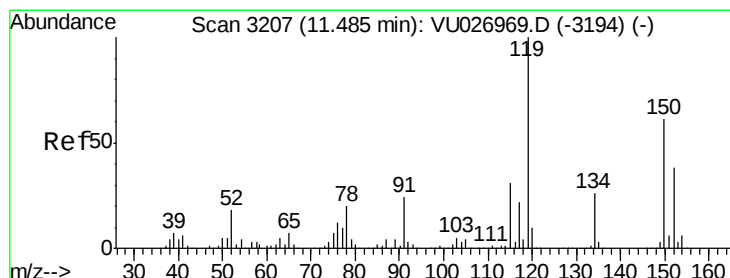
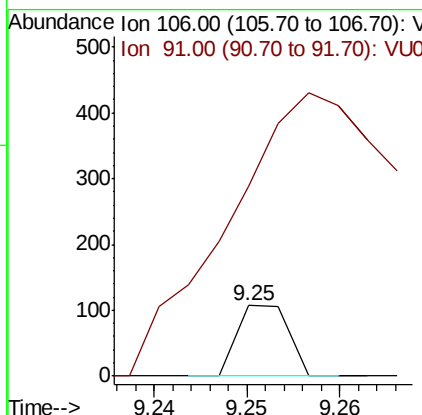
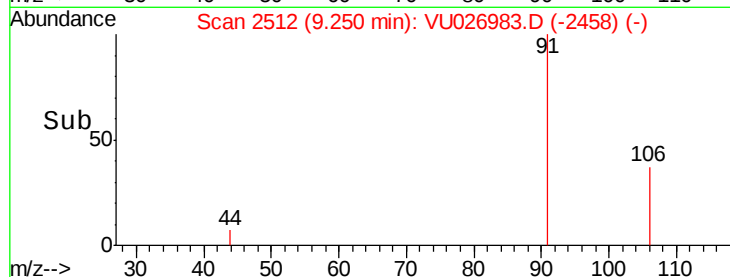
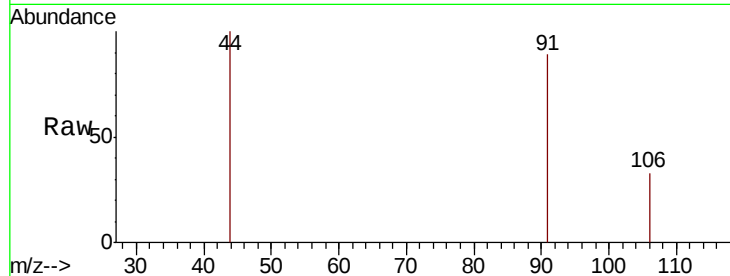




#68
m/p-Xylenes
Concen: 1.515 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.12 min
Lab File: VU026983.D
Acq: 21 Sep 2018 21:38

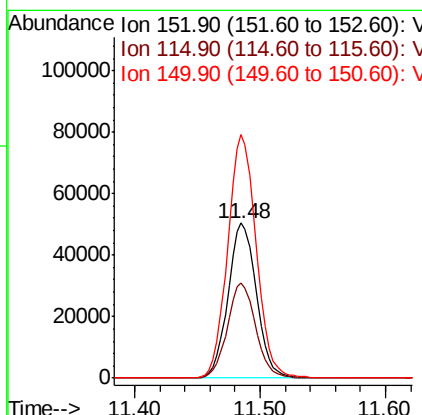
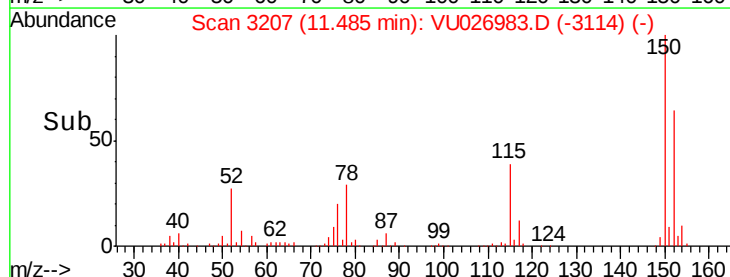
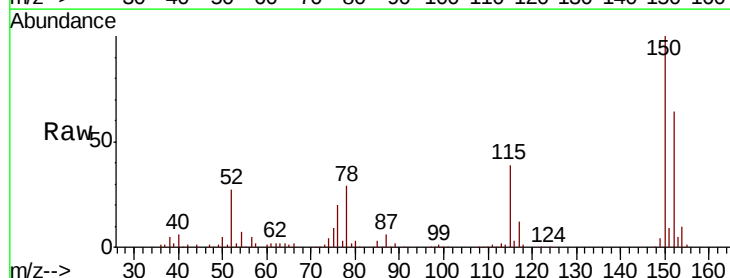
Instrument :
MSVOA_U
ClientSampleId :
FC-DUP01-20180911

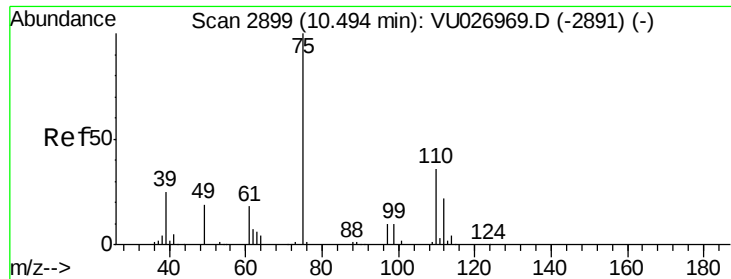
Tgt Ion:106 Resp: 41
Ion Ratio Lower Upper
106 100
91 1512.2 166.5 249.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU026983.D
Acq: 21 Sep 2018 21:38

Tgt Ion:152 Resp: 79056
Ion Ratio Lower Upper
152 100
115 61.2 44.9 134.5
150 158.0 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 19.930 ug/l

RT: 10.31 min Scan# 2842

Delta R.T. -0.18 min

Lab File: VU026983.D

Acq: 21 Sep 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

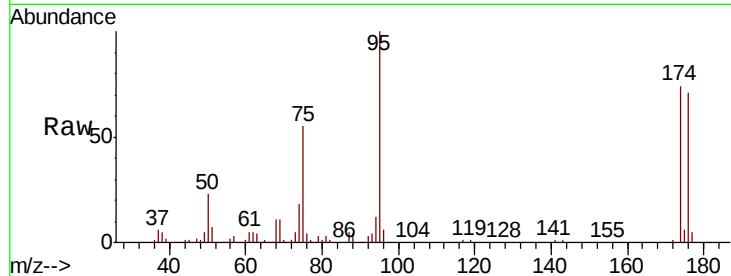
FC-DUP01-20180911

Tgt Ion: 75 Resp: 47865

Ion Ratio Lower Upper

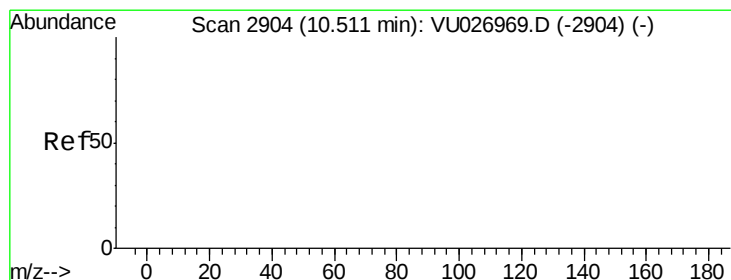
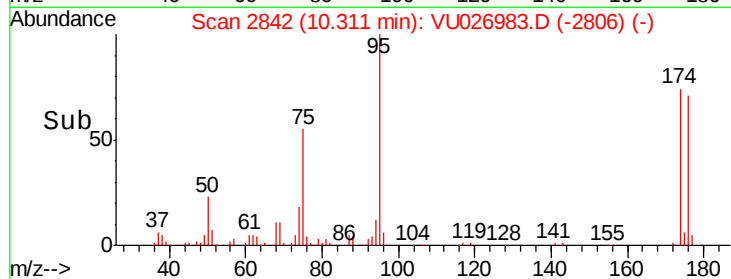
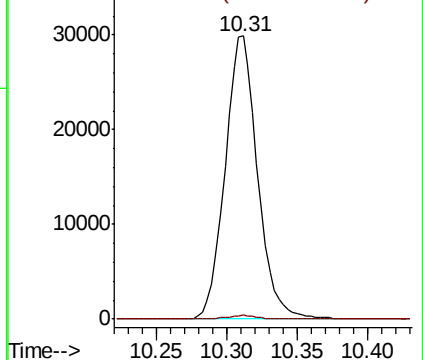
75 100

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: 63.778 ug/l

RT: 10.31 min Scan# 2842

Delta R.T. -0.20 min

Lab File: VU026983.D

Acq: 21 Sep 2018 21:38

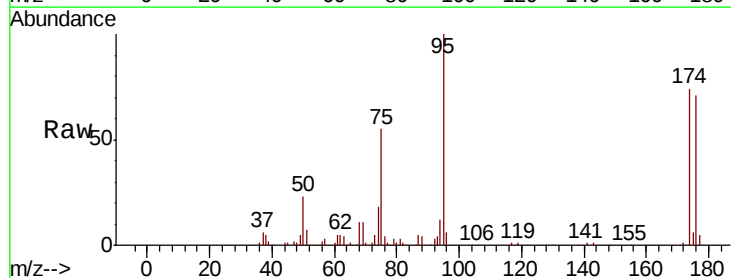
Tgt Ion: 75 Resp: 47865

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

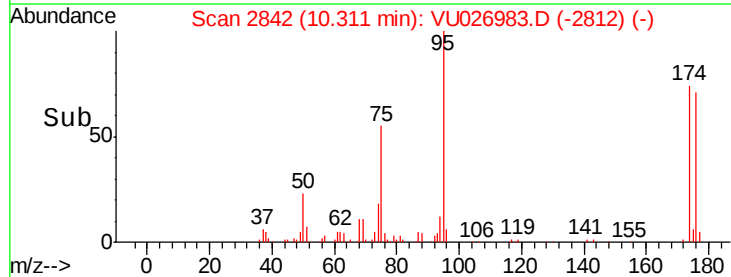
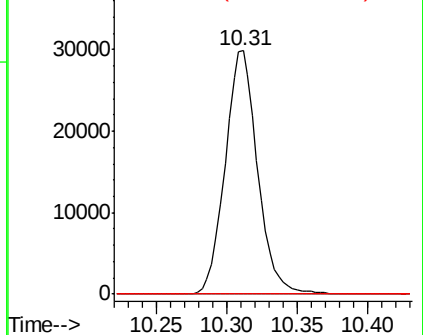
89 0.0 0.0 0.0

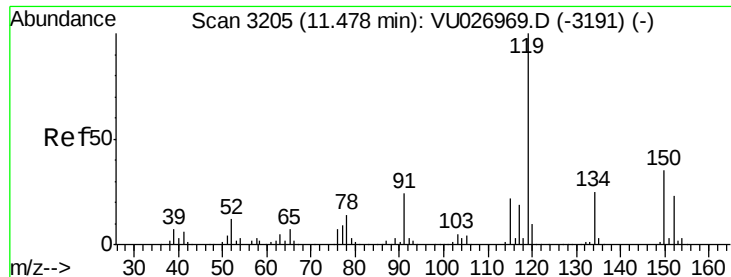


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#86

p-Isopropyltoluene

Concen: 0.931 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU026983.D

Acq: 21 Sep 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

FC-DUP01-20180911

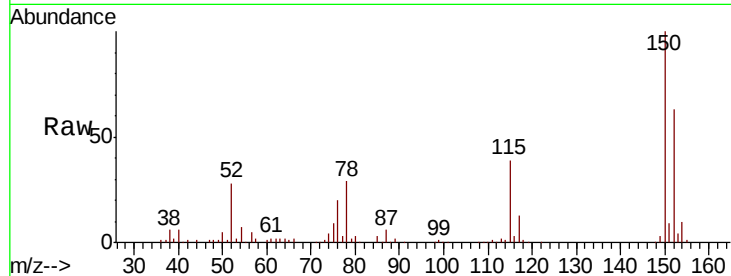
Tgt Ion: 119 Resp: 19

Ion Ratio Lower Upper

119 100

134 0.0 12.8 38.3#

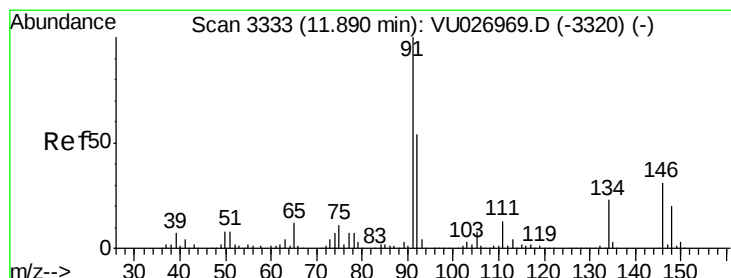
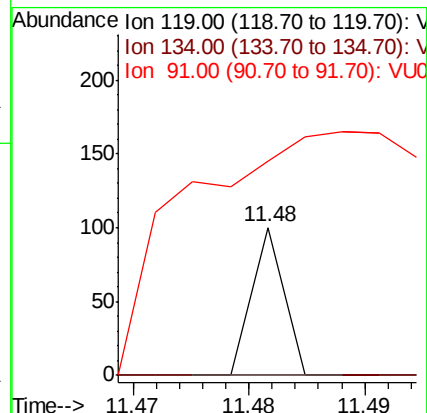
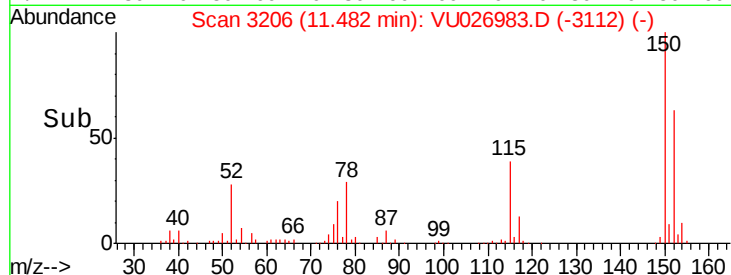
91 1168.4 12.3 36.8#



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: 2.404 ug/l

RT: 11.90 min Scan# 3335

Delta R.T. 0.01 min

Lab File: VU026983.D

Acq: 21 Sep 2018 21:38

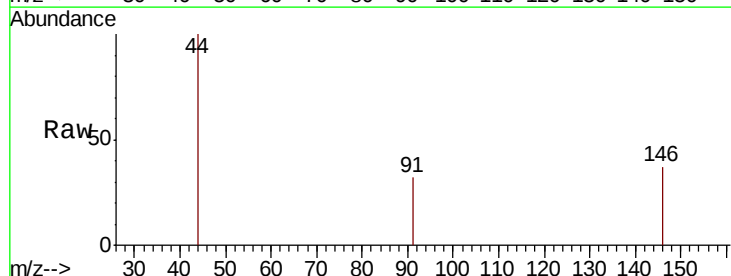
Tgt Ion: 91 Resp: 66

Ion Ratio Lower Upper

91 100

92 0.0 27.1 81.2#

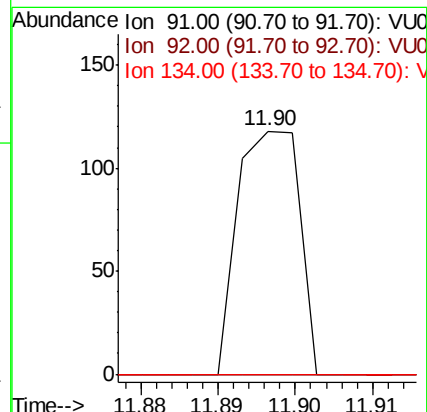
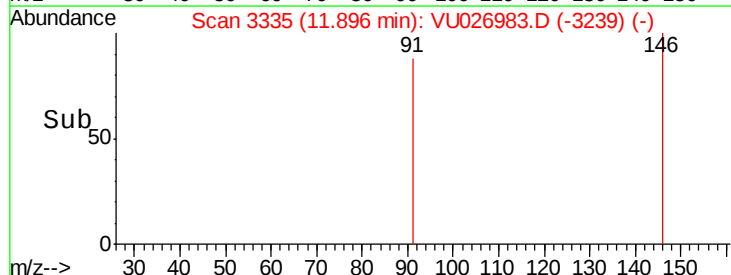
134 0.0 11.7 35.0#

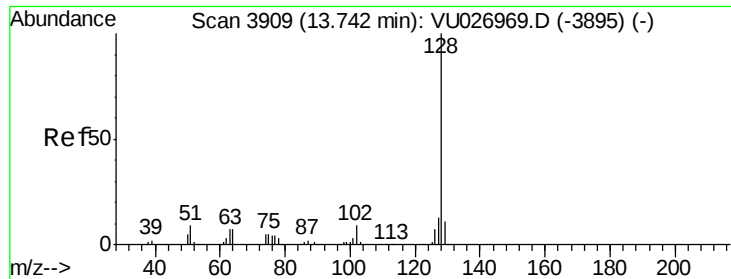


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#95

Naphthalene

Concen: 1.915 ug/l

RT: 13.75 min Scan# 3913

Delta R.T. 0.01 min

Lab File: VU026983.D

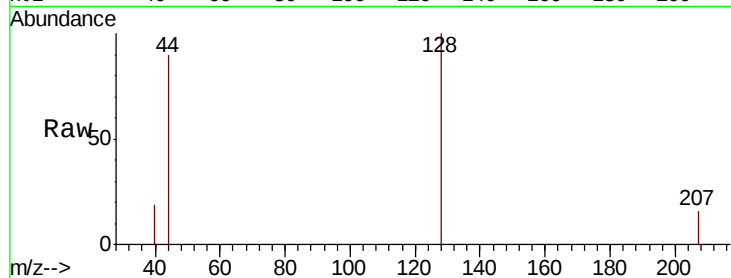
Acq: 21 Sep 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

FC-DUP01-20180911



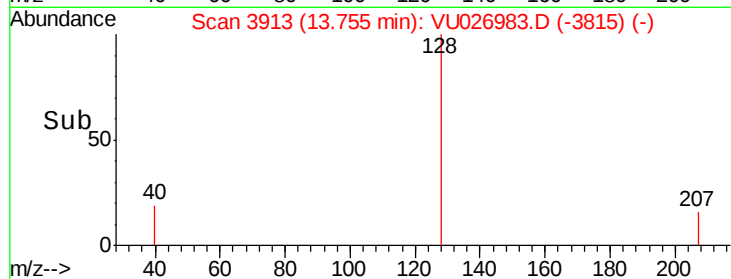
Tgt Ion:128 Resp: 1530

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

