

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092018\
 Data File : VU026902.D
 Acq On : 19 Sep 2018 17:19
 Operator : MD/SY
 Sample : J4913-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-DUP01-20180912

Quant Time: Sep 20 05:34:27 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	4.99	168	85646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	146850	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	144744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	78218	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	71725	55.21	ug/l	0.00
Spiked Amount			Recovery	=	110.42%	
35) Dibromofluoromethane	4.88	113	64271	53.66	ug/l	0.00
Spiked Amount			Recovery	=	107.32%	
50) Toluene-d8	7.57	98	217163	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	
62) 4-Bromofluorobenzene	10.31	95	72721	45.29	ug/l	0.00
Spiked Amount			Recovery	=	90.58%	

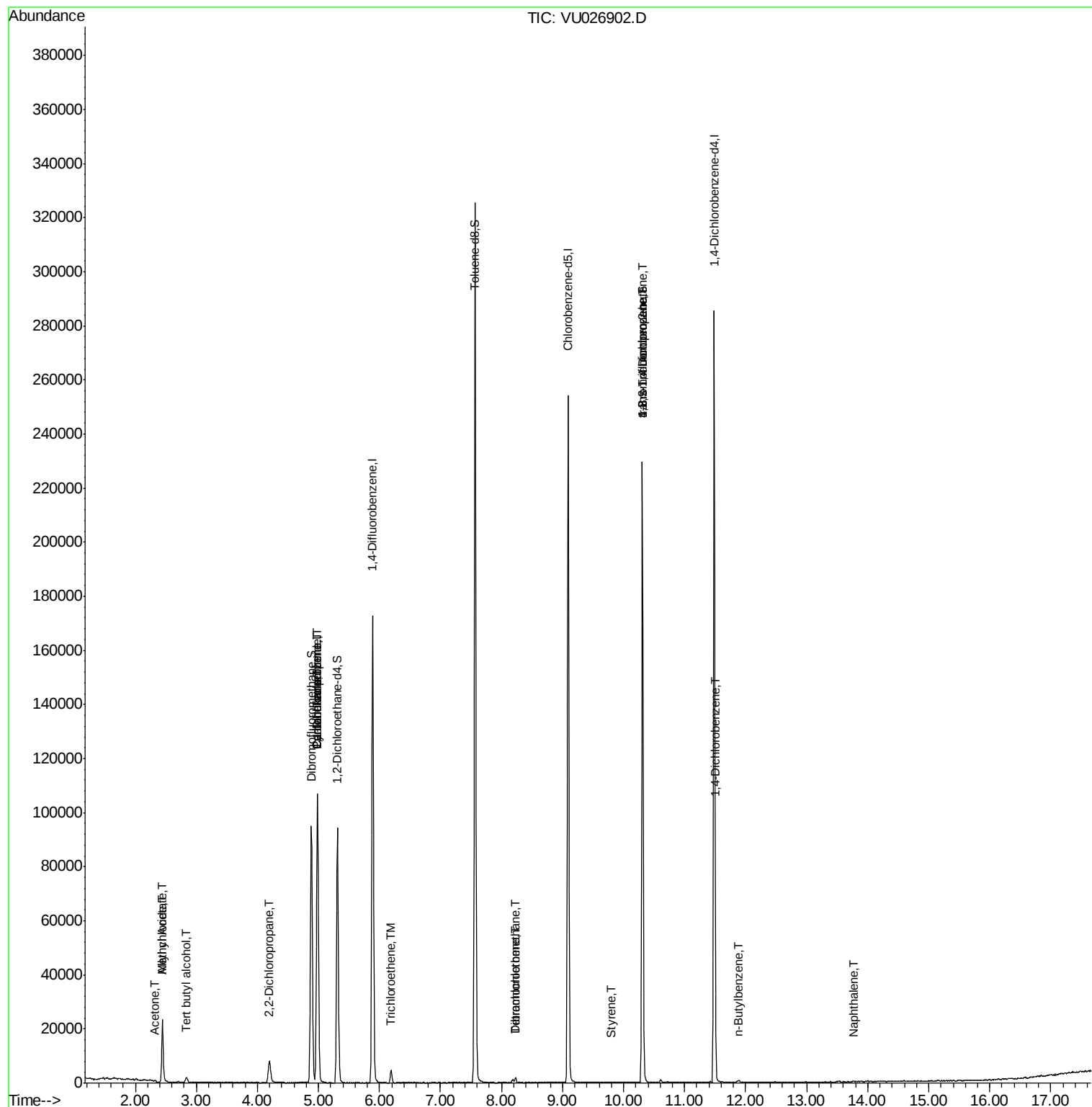
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.84	59	1590	5.021	ug/l #	73
14) Allyl chloride	2.44	41	2251	1.271	ug/l #	72
16) Acetone	2.32	43	760	1.033	ug/l	95
18) Methyl Acetate	2.44	43	5941	3.743	ug/l #	54
26) 2,2-Dichloropropane	4.20	77	479	0.279	ug/l #	52
31) Cyclohexane	4.98	56	1438	0.576	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	6058	3.674	ug/l #	48
38) Carbon Tetrachloride	4.99	117	7589	4.357	ug/l #	17
44) Trichloroethene	6.19	130	1981	1.563	ug/l	94
60) Dibromochloromethane	8.23	129	388	0.274	ug/l #	11
64) Tetrachloroethene	8.23	164	464	0.403	ug/l	93
70) Styrene	9.80	104	44	1.870	ug/l #	26
76) 1,2,3-Trichloropropane	10.31	75	35553	20.291	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	35553	62.794	ug/l #	100
88) 1,4-Dichlorobenzene	11.51	146	723	0.258	ug/l #	50
89) n-Butylbenzene	11.89	91	275	2.164	ug/l #	48
95) Naphthalene	13.76	128	384	1.077	ug/l #	69

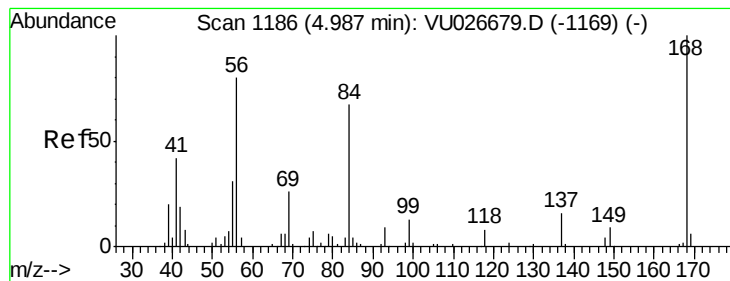
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU026902.D

Acq: 19 Sep 2018 17:19

Instrument :

MSVOA_U

ClientSampleId :

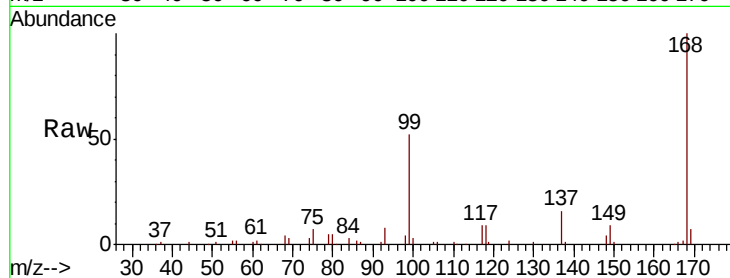
BP-DUP01-20180912

Tgt Ion:168 Resp: 85646

Ion Ratio Lower Upper

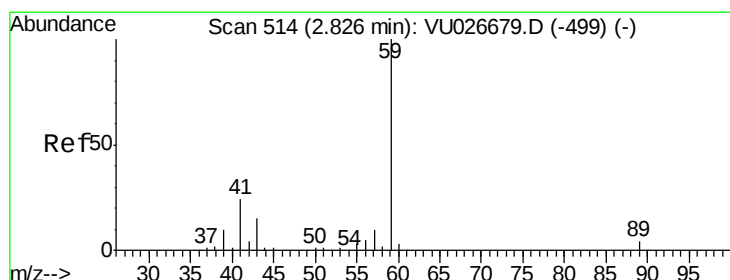
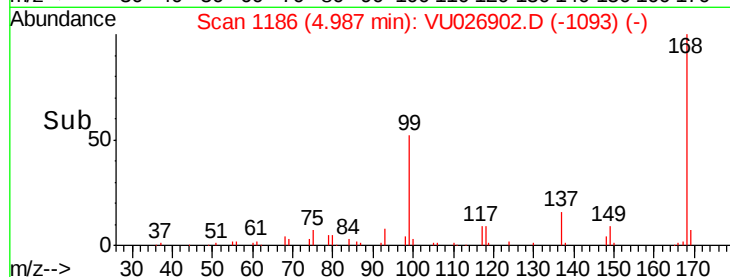
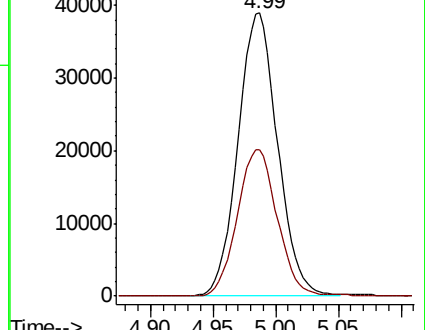
168 100

99 51.8 42.0 63.0



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

Ion 98.90 (98.60 to 99.60): VU026679.D (-1169) (-)



#11

Tert butyl alcohol

Concen: 5.021 ug/l

RT: 2.84 min Scan# 517

Delta R.T. 0.01 min

Lab File: VU026902.D

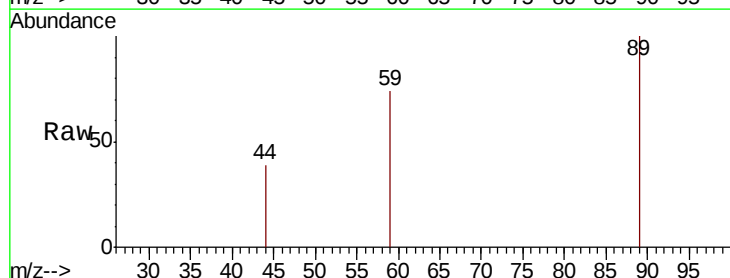
Acq: 19 Sep 2018 17:19

Tgt Ion: 59 Resp: 1590

Ion Ratio Lower Upper

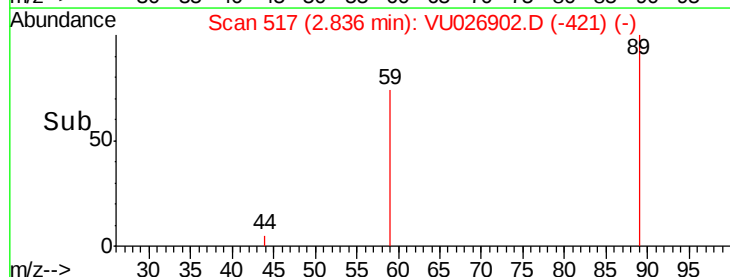
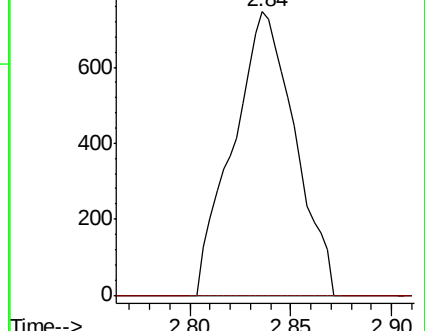
59 100

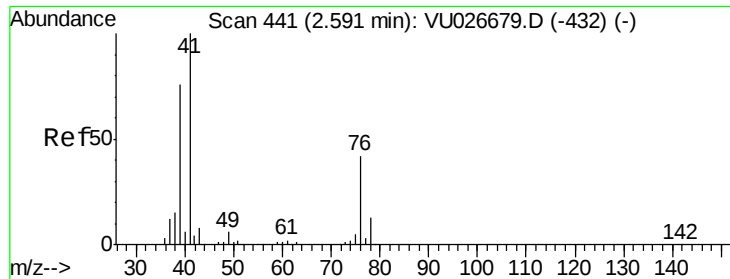
57 0.0 8.0 12.0#



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

Ion 57.00 (56.70 to 57.70): VU026679.D (-499) (-)

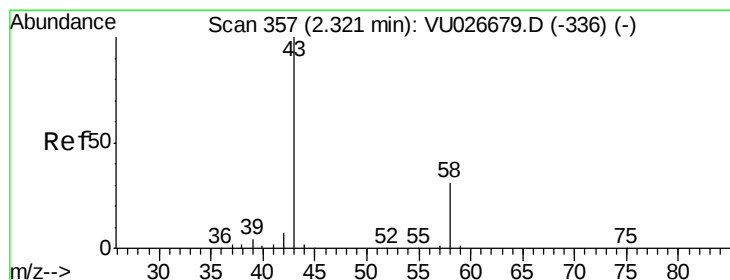
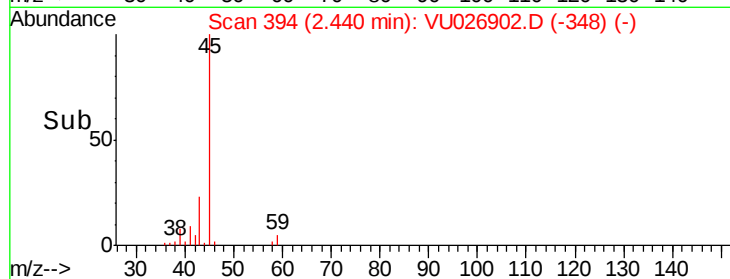
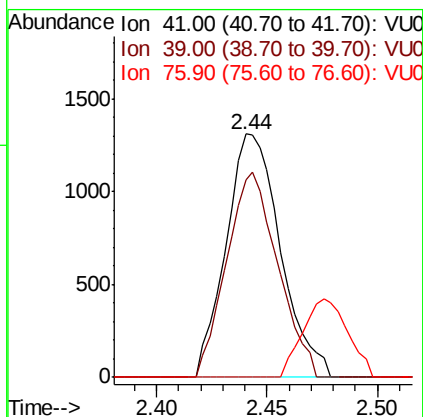
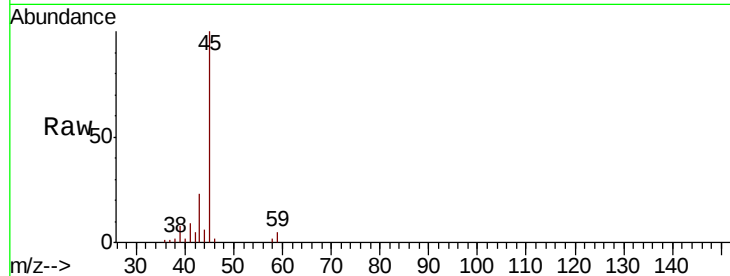




#14
 Allyl chloride
 Concen: 1.271 ug/l
 RT: 2.44 min Scan# 394
 Delta R.T. -0.15 min
 Lab File: VU026902.D
 Acq: 19 Sep 2018 17:19

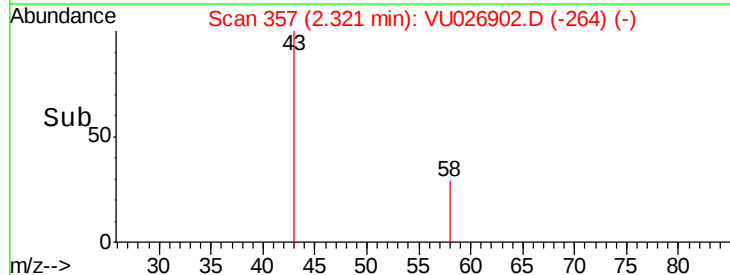
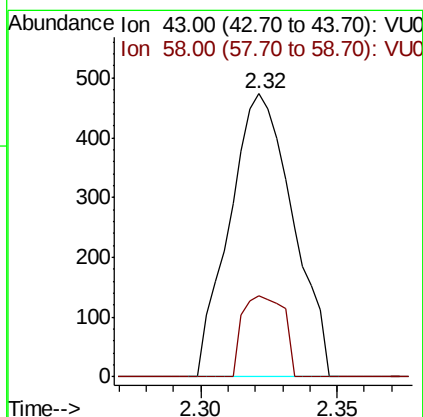
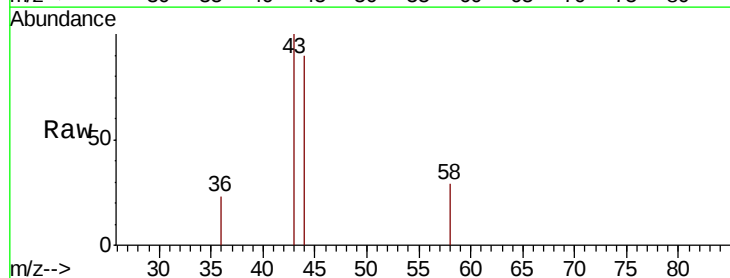
Instrument :
 MSVOA_U
 ClientSampleId :
 BP-DUP01-20180912

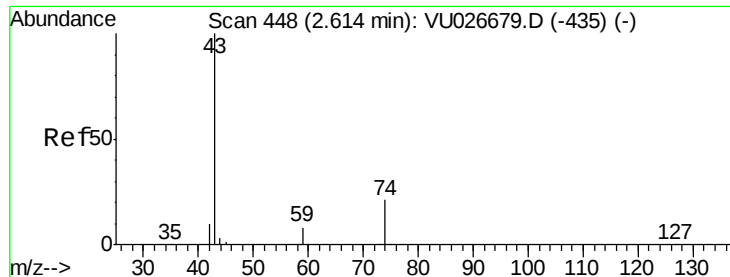
Tgt Ion: 41 Resp: 2251
 Ion Ratio Lower Upper
 41 100
 39 79.1 56.9 85.3
 76 0.0 29.7 44.5#



#16
 Acetone
 Concen: 1.033 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. 0.00 min
 Lab File: VU026902.D
 Acq: 19 Sep 2018 17:19

Tgt Ion: 43 Resp: 760
 Ion Ratio Lower Upper
 43 100
 58 28.8 25.1 37.7

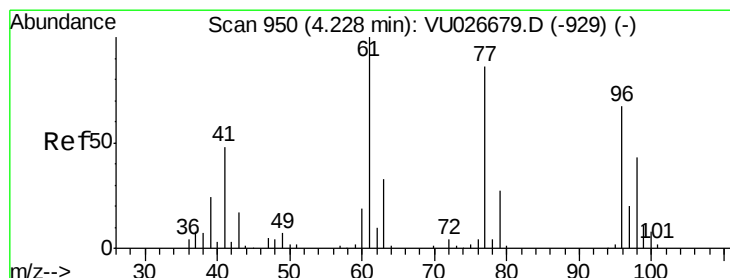
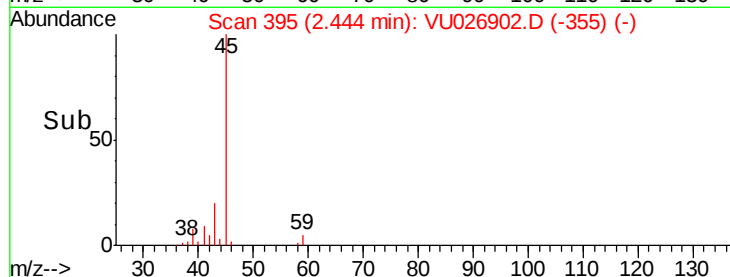
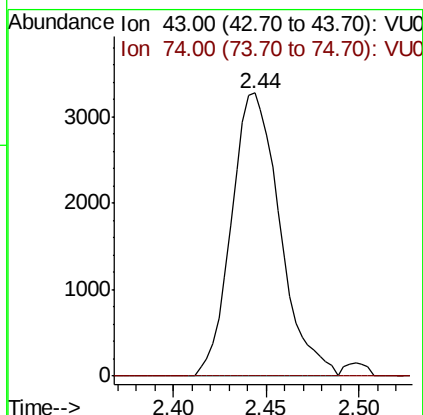
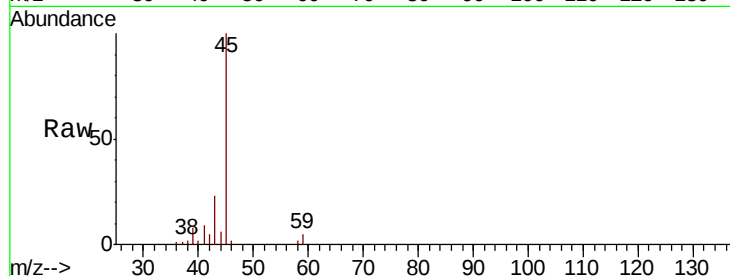




#18
Methyl Acetate
Concen: 3.743 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.17 min
Lab File: VU026902.D
Acq: 19 Sep 2018 17:19

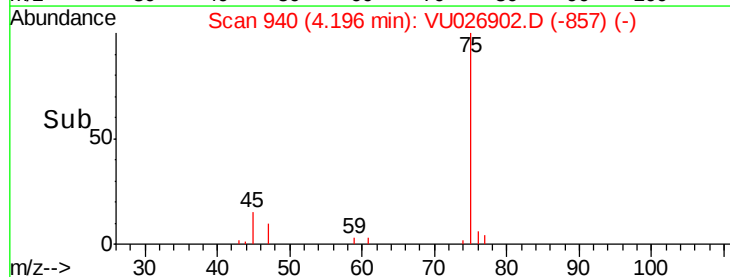
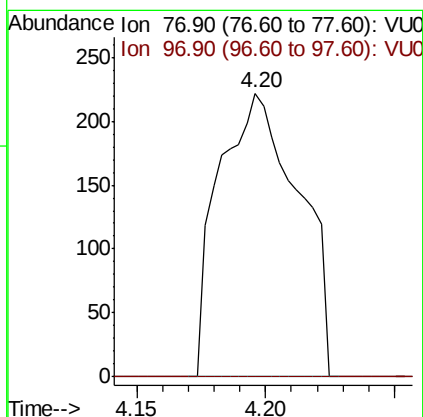
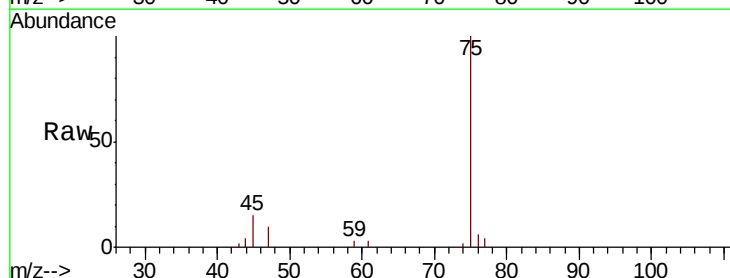
Instrument :
MSVOA_U
ClientSampleId :
BP-DUP01-20180912

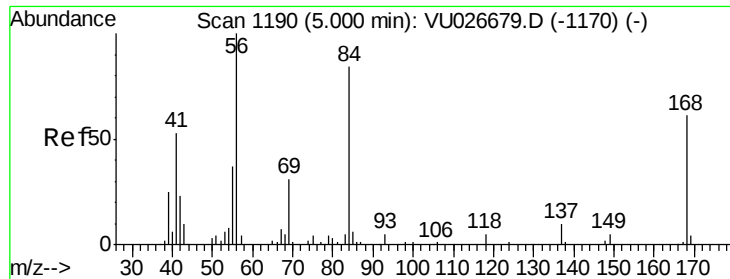
Tgt Ion: 43 Resp: 5941
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#26
2,2-Dichloropropane
Concen: 0.279 ug/l
RT: 4.20 min Scan# 940
Delta R.T. -0.03 min
Lab File: VU026902.D
Acq: 19 Sep 2018 17:19

Tgt Ion: 77 Resp: 479
Ion Ratio Lower Upper
77 100
97 0.0 11.6 34.8#

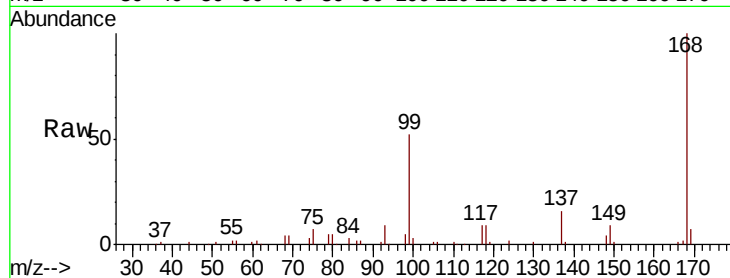




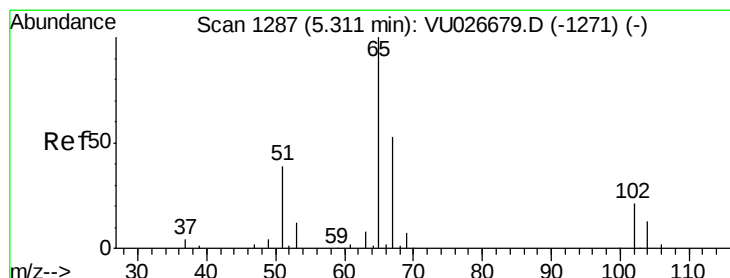
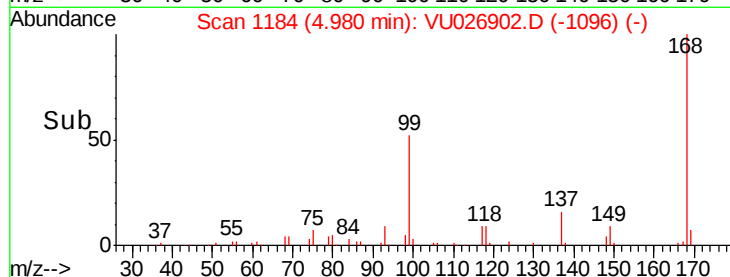
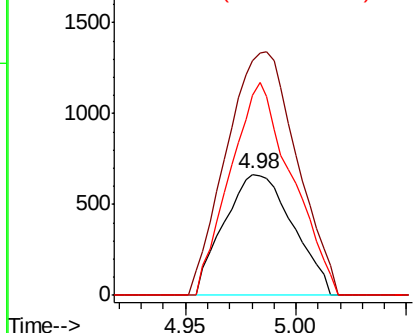
#31
Cyclohexane
Concen: 0.576 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.02 min
Lab File: VU026902.D
Acq: 19 Sep 2018 17:19

Instrument :
MSVOA_U
ClientSampleId :
BP-DUP01-20180912

Tgt Ion: 56 Resp: 1438
Ion Ratio Lower Upper
56 100
69 194.4 24.9 37.3#
84 164.9 66.6 100.0#

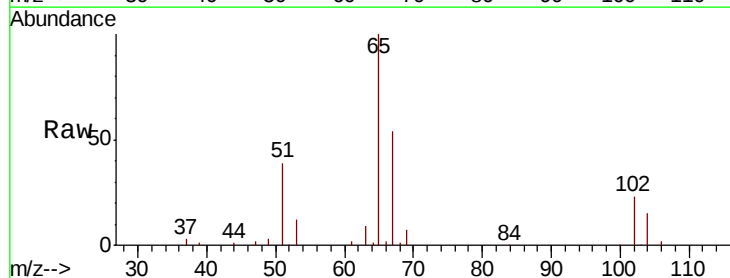


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

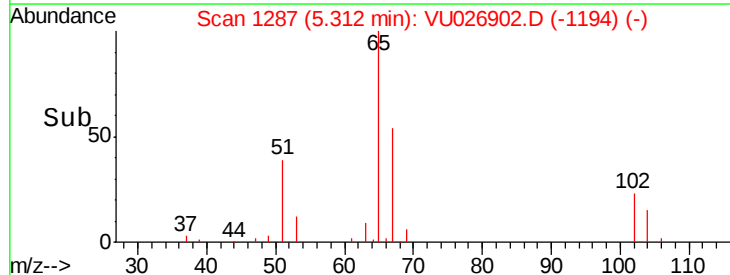
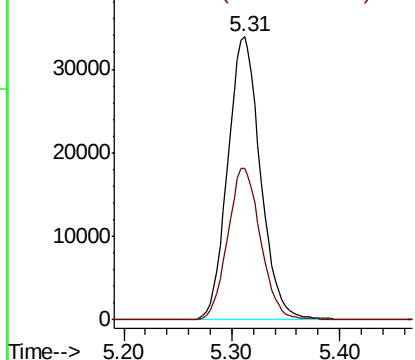


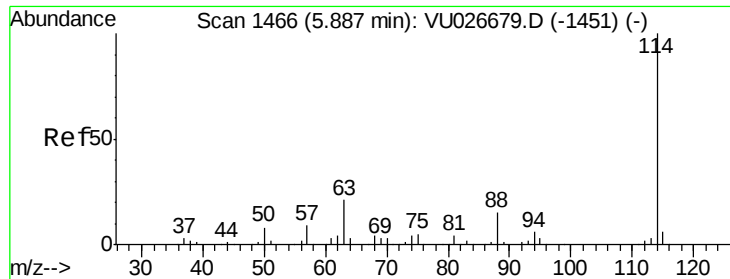
#33
1,2-Dichloroethane-d4
Concen: 55.207 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU026902.D
Acq: 19 Sep 2018 17:19

Tgt Ion: 65 Resp: 71725
Ion Ratio Lower Upper
65 100
67 53.9 0.0 106.4



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

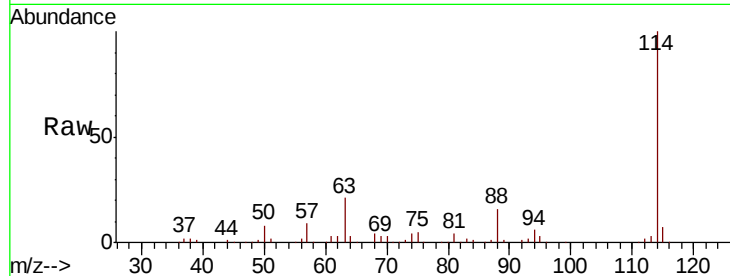




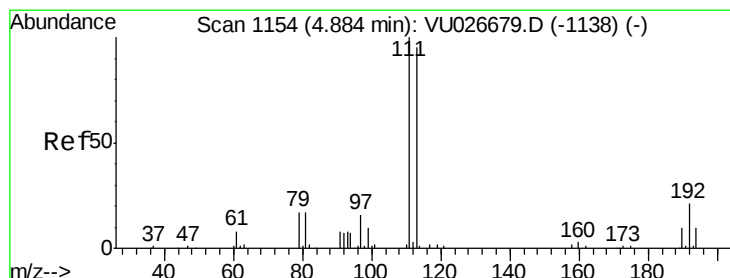
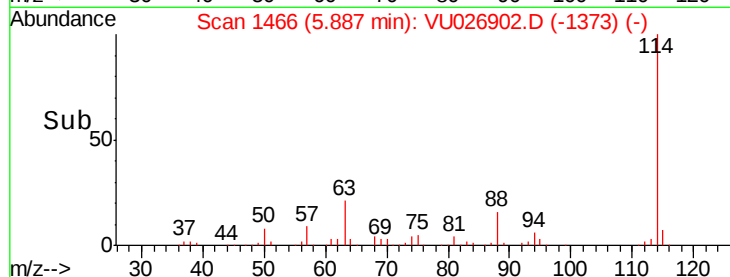
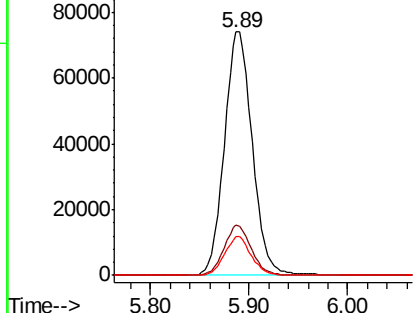
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU026902.D
 Acq: 19 Sep 2018 17:19

Instrument :
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 BP-DUP01-20180912

Tgt Ion:114 Resp: 146850
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 41.4
 88 15.9 0.0 30.8

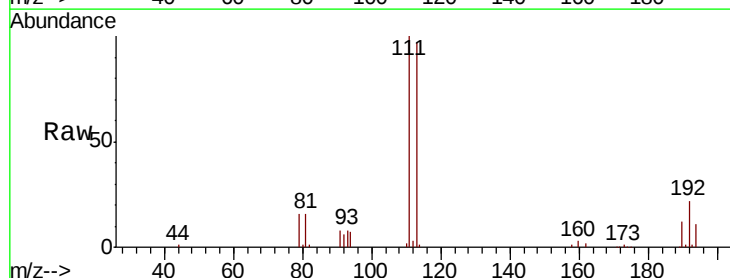


Abundance Ion 113.90 (113.60 to 114.60): V
 100000 Ion 63.00 (62.70 to 63.70): VU0
 80000 Ion 87.90 (87.60 to 88.60): VU0
 60000
 40000
 20000
 0

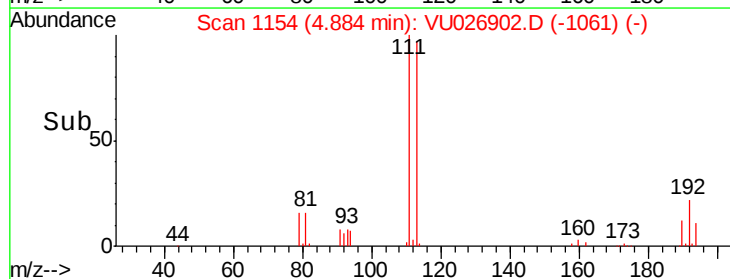
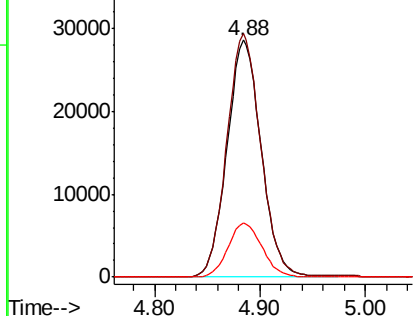


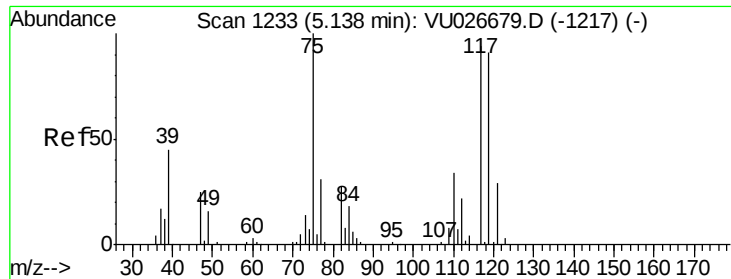
#35
 Dibromofluoromethane
 Concen: 53.655 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU026902.D
 Acq: 19 Sep 2018 17:19

Tgt Ion:113 Resp: 64271
 Ion Ratio Lower Upper
 113 100
 111 101.9 83.1 124.7
 192 22.7 17.4 26.2



Abundance Ion 112.80 (112.50 to 113.50): V
 40000 Ion 110.80 (110.50 to 111.50): V
 30000 Ion 191.70 (191.40 to 192.40): V
 20000
 10000
 0

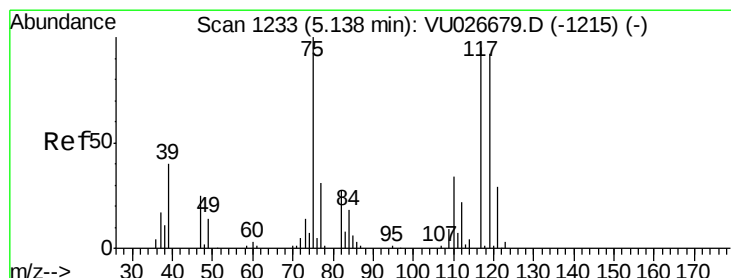
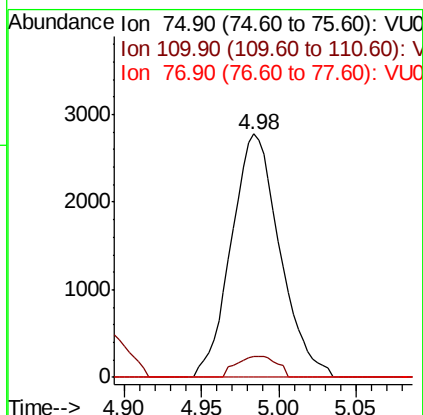
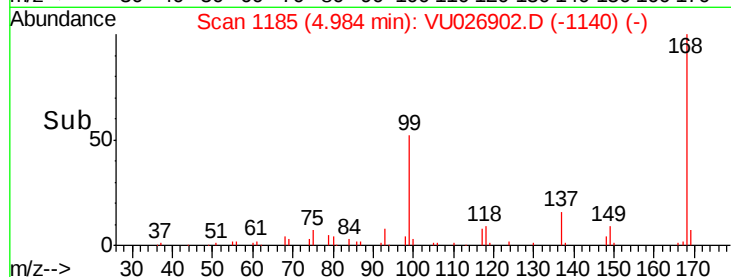
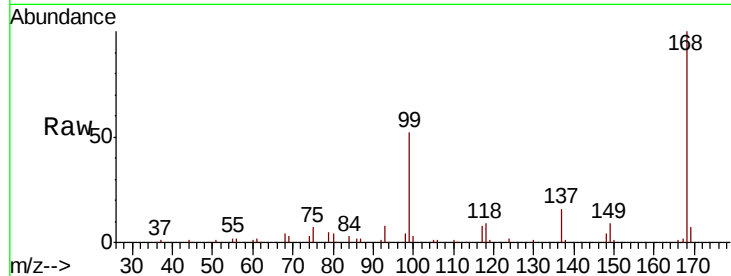




#36
 1,1-Dichloropropene
 Concen: 3.674 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU026902.D
 Acq: 19 Sep 2018 17:19

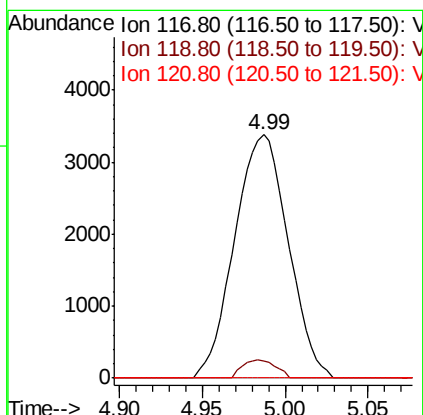
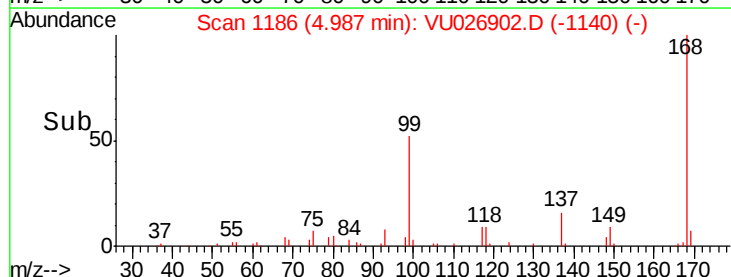
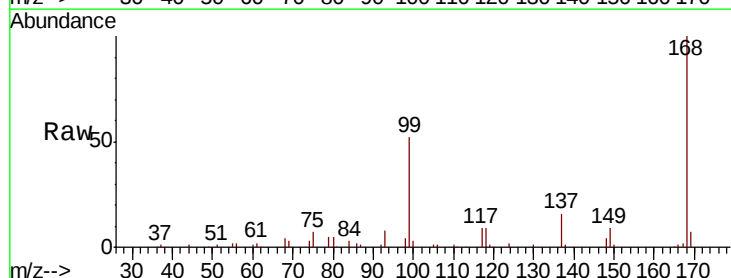
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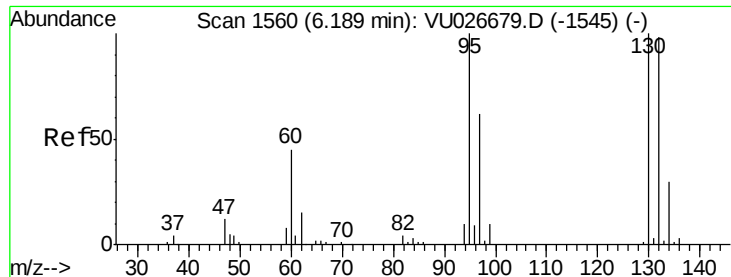
Tgt Ion: 75 Resp: 6058
 Ion Ratio Lower Upper
 75 100
 110 7.2 17.3 51.9#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 4.357 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU026902.D
 Acq: 19 Sep 2018 17:19

Tgt Ion: 117 Resp: 7589
 Ion Ratio Lower Upper
 117 100
 119 7.1 77.8 116.8#
 121 0.0 25.0 37.4#





#44

Trichloroethene

Concen: 1.563 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU026902.D

Acq: 19 Sep 2018 17:19

Instrument :

MSVOA_U

ClientSampleId :

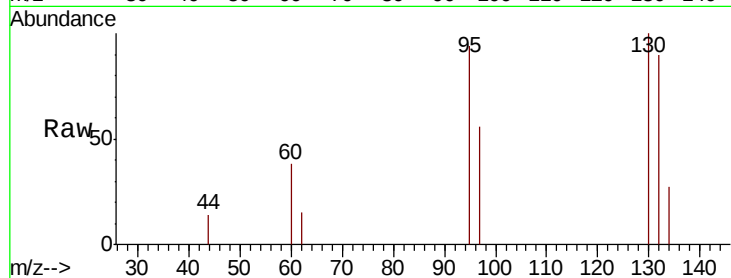
BP-DUP01-20180912

Tgt Ion:130 Resp: 1981

Ion Ratio Lower Upper

130 100

95 94.0 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): VU026679.D (-1545) (-)

Ion 94.90 (94.60 to 95.60): VU026679.D (-1545) (-)

6.19

1200

1000

800

600

400

200

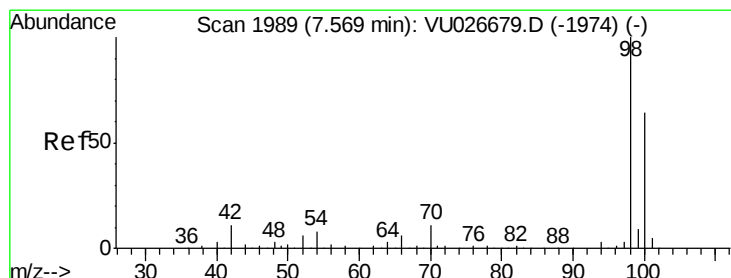
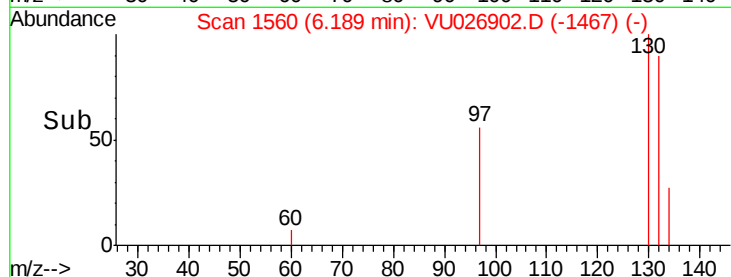
0

6.15

6.20

6.25

Time-->



#50

Toluene-d8

Concen: 49.017 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU026902.D

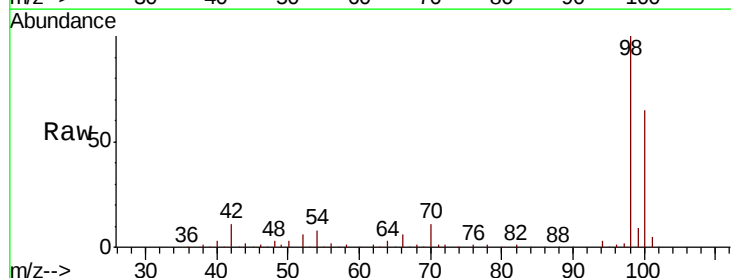
Acq: 19 Sep 2018 17:19

Tgt Ion: 98 Resp: 217163

Ion Ratio Lower Upper

98 100

100 65.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VU026679.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU026679.D (-1974) (-)

7.57

150000

100000

50000

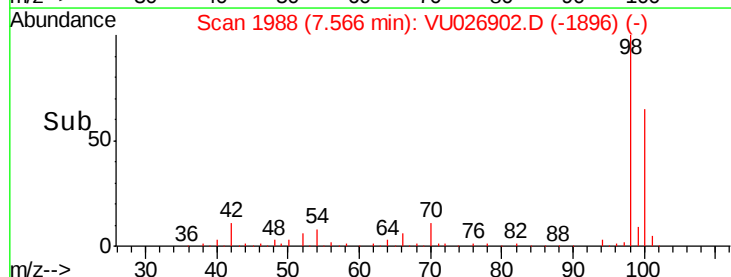
0

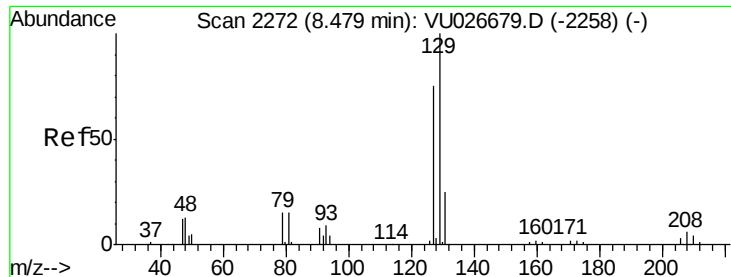
7.50

7.60

7.70

Time-->

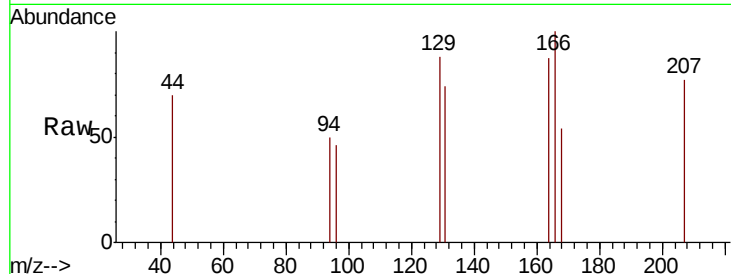




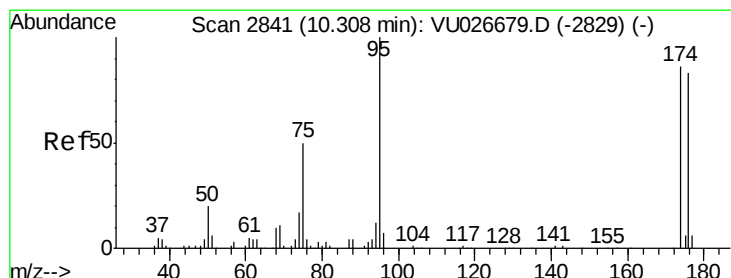
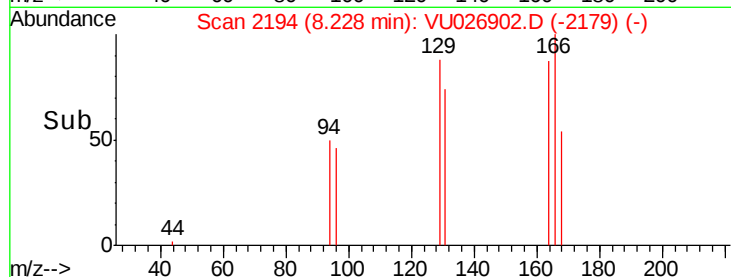
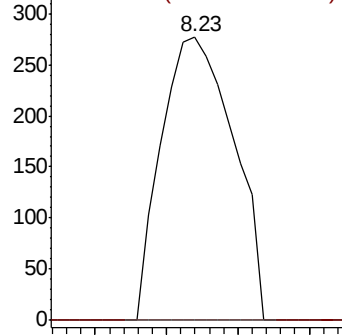
#60
 Dibromochloromethane
 Concen: 0.274 ug/l
 RT: 8.23 min Scan# 2194
 Delta R.T. -0.25 min
 Lab File: VU026902.D
 Acq: 19 Sep 2018 17:19

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-DUP01-20180912

Tgt Ion: 129 Resp: 388
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.3 114.9#

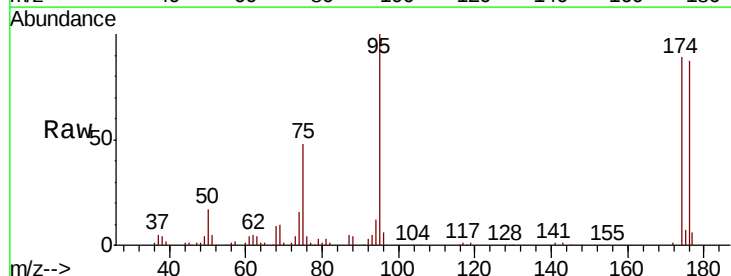


Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V

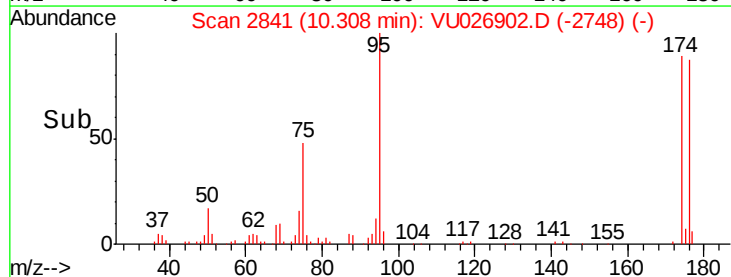
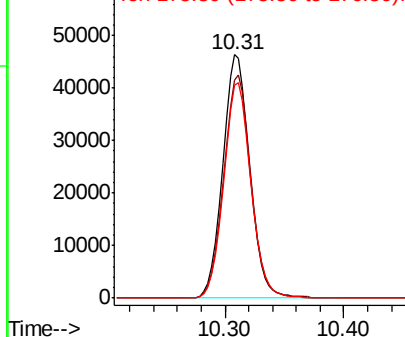


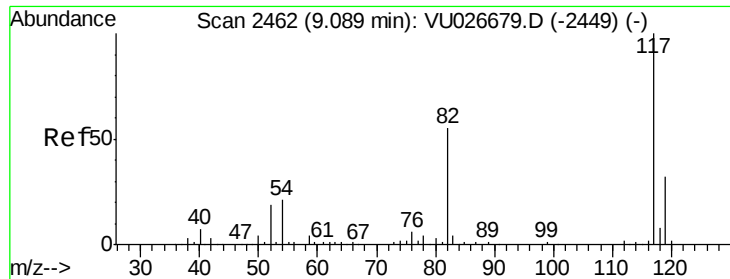
#62
 4-Bromofluorobenzene
 Concen: 45.290 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU026902.D
 Acq: 19 Sep 2018 17:19

Tgt Ion: 95 Resp: 72721
 Ion Ratio Lower Upper
 95 100
 174 92.8 0.0 172.8
 176 89.4 0.0 168.6



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

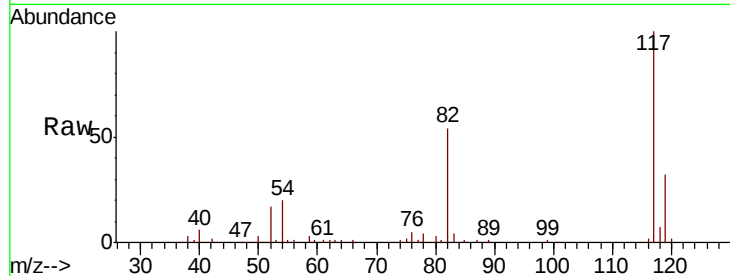




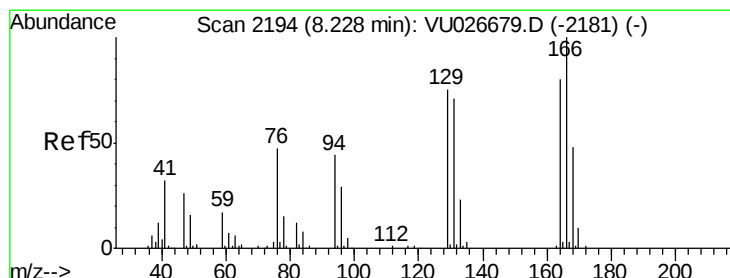
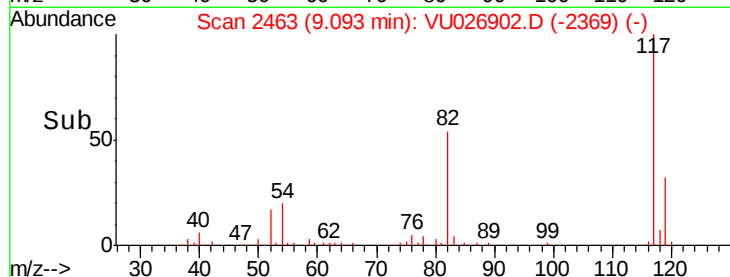
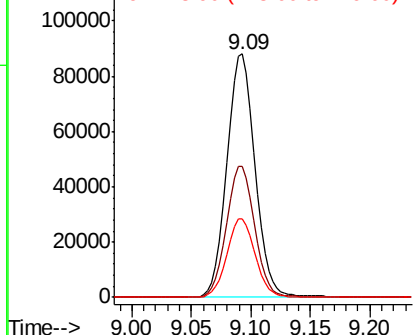
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026902.D
Acq: 19 Sep 2018 17:19

Instrument :
MSVOA_U
ClientSampleId :
BP-DUP01-20180912

Tgt Ion:117 Resp: 144744
Ion Ratio Lower Upper
117 100
82 53.6 44.1 66.1
119 32.3 25.7 38.5



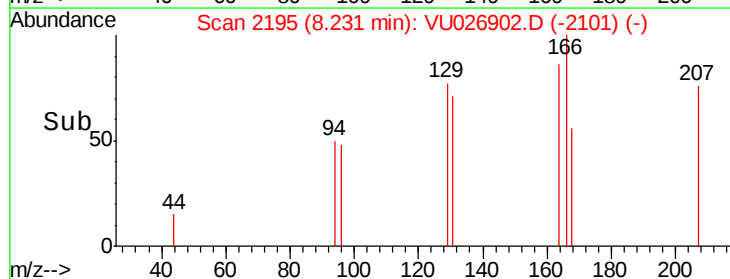
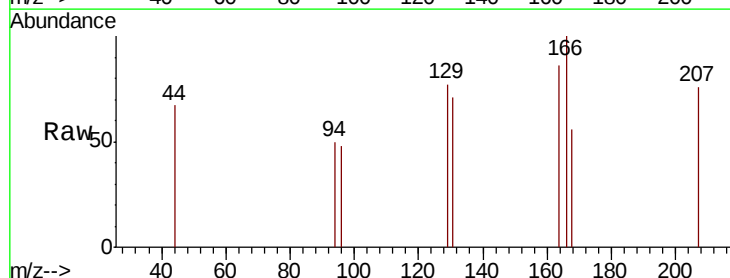
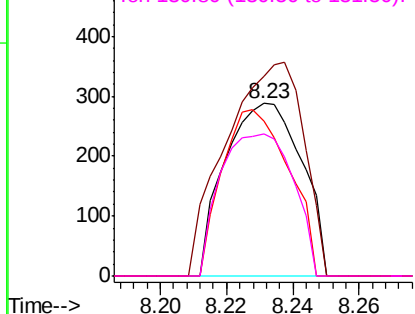
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

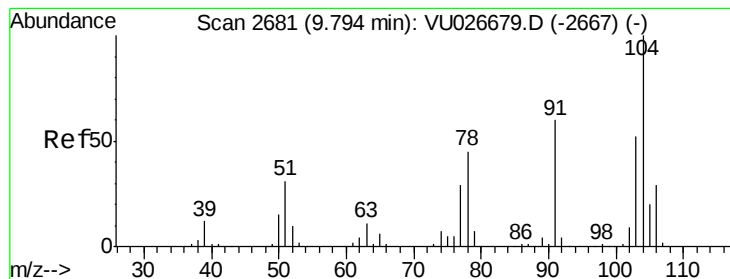


#64
Tetrachloroethene
Concen: 0.403 ug/l
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU026902.D
Acq: 19 Sep 2018 17:19

Tgt Ion:164 Resp: 464
Ion Ratio Lower Upper
164 100
166 116.0 100.5 150.7
129 89.6 75.3 112.9
131 82.3 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: 1.870 ug/l

RT: 9.80 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU026902.D

Acq: 19 Sep 2018 17:19

Instrument :

MSVOA_U

ClientSampleId :

BP-DUP01-20180912

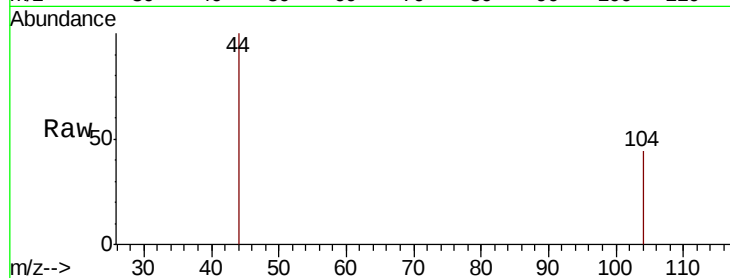
Tgt Ion:104 Resp: 44

Ion Ratio Lower Upper

104 100

78 0.0 39.4 59.2#

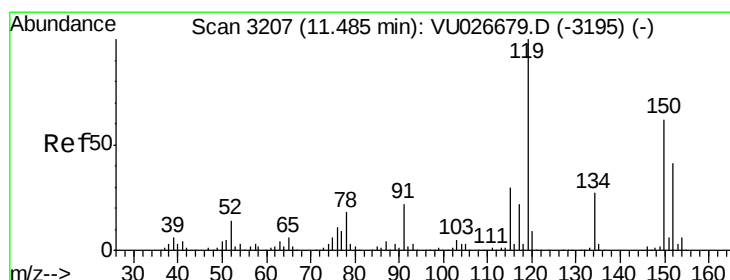
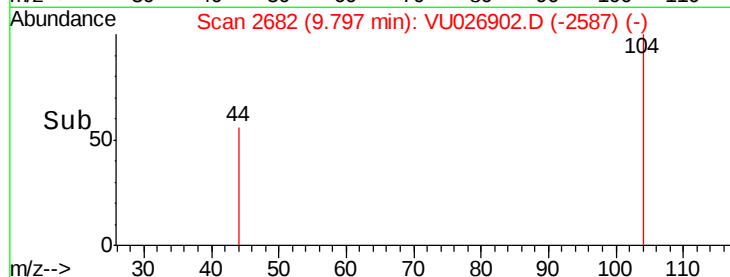
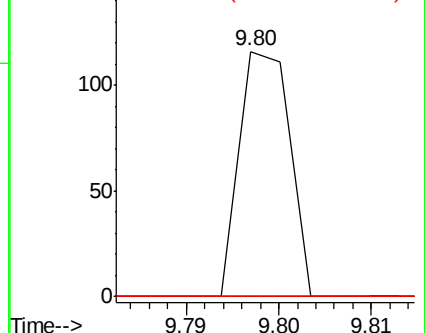
103 0.0 44.5 66.7#



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: VU026902.D

Acq: 19 Sep 2018 17:19

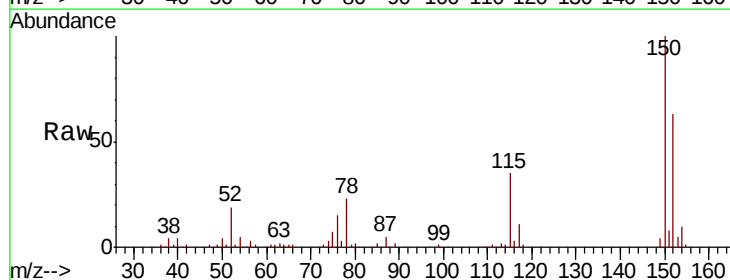
Tgt Ion:152 Resp: 78218

Ion Ratio Lower Upper

152 100

115 54.7 40.4 121.1

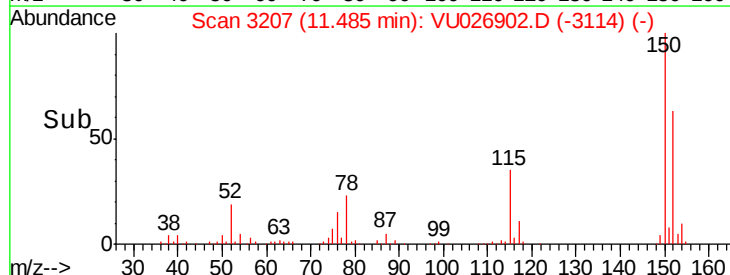
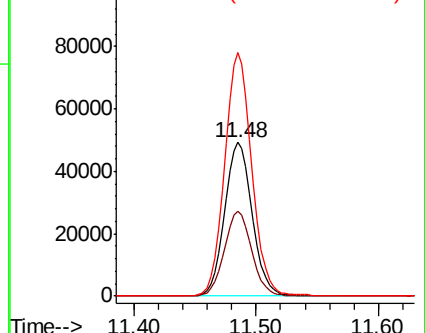
150 155.8 0.0 345.2

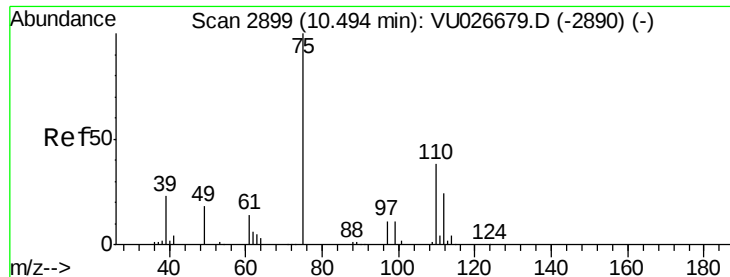


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

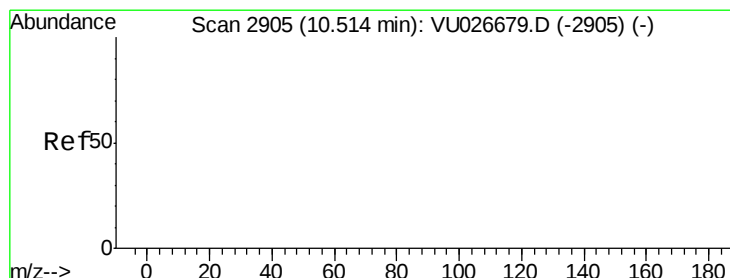
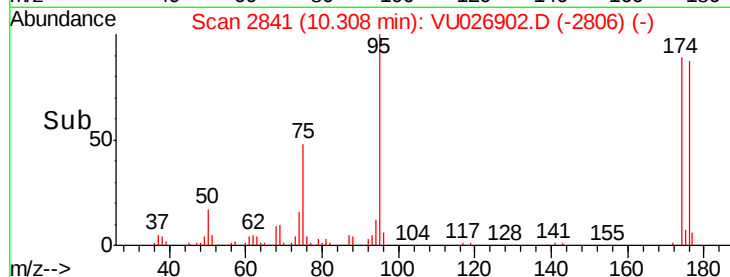
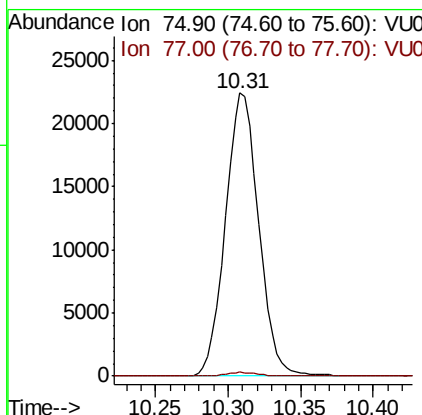
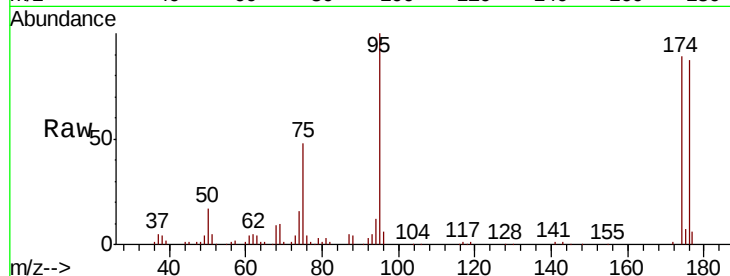




#76
 1,2,3-Trichloropropane
 Concen: 20.291 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU026902.D
 Acq: 19 Sep 2018 17:19

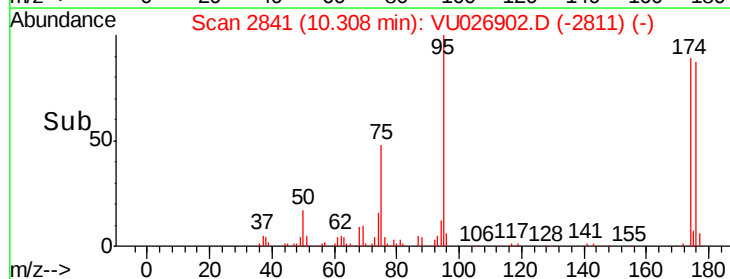
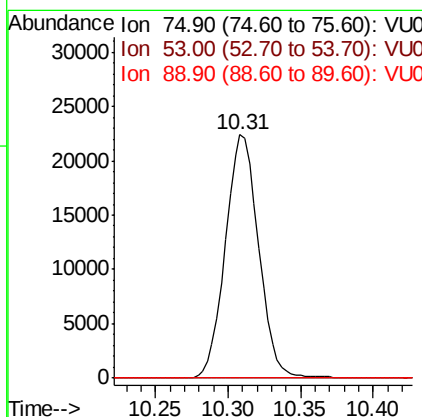
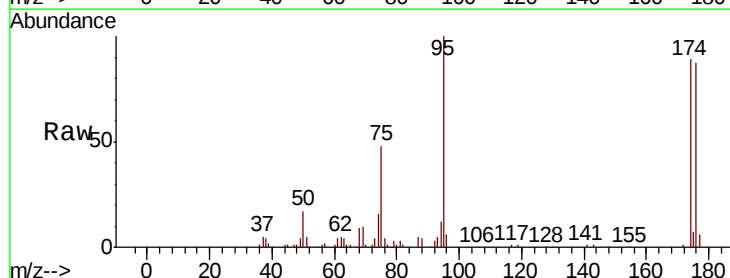
Instrument :
 MSVOA_U
 ClientSampleId :
 BP-DUP01-20180912

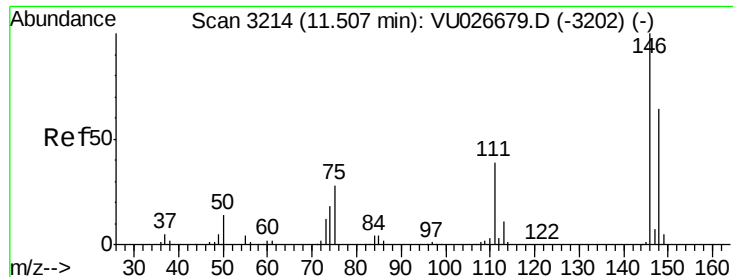
Tgt Ion: 75 Resp: 35553
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.1 63.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.794 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.20 min
 Lab File: VU026902.D
 Acq: 19 Sep 2018 17:19

Tgt Ion: 75 Resp: 35553
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#88

1,4-Dichlorobenzene

Concen: 0.258 ug/l

RT: 11.51 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VU026902.D

Acq: 19 Sep 2018 17:19

Instrument :

MSVOA_U

ClientSampleId :

BP-DUP01-20180912

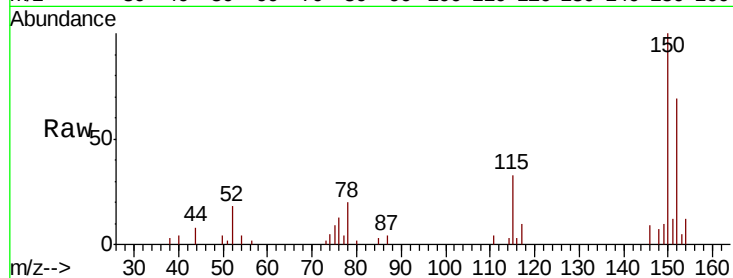
Tgt Ion:146 Resp: 723

Ion Ratio Lower Upper

146 100

111 0.0 19.2 57.6#

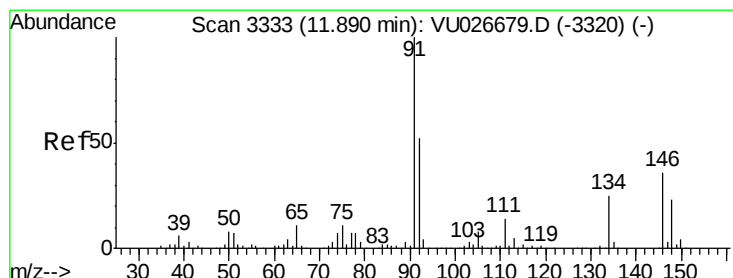
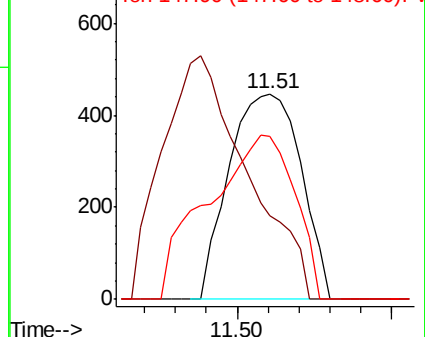
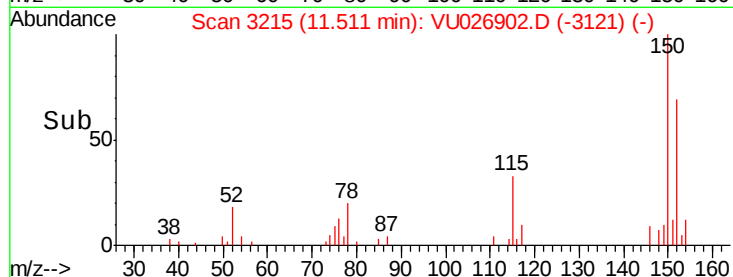
148 96.8 32.1 96.3#



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: 2.164 ug/l

RT: 11.89 min Scan# 3334

Delta R.T. 0.00 min

Lab File: VU026902.D

Acq: 19 Sep 2018 17:19

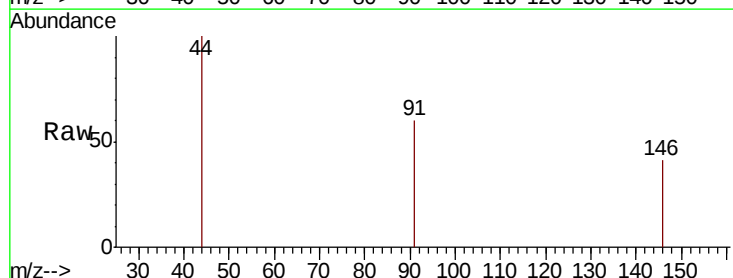
Tgt Ion: 91 Resp: 275

Ion Ratio Lower Upper

91 100

92 14.5 25.8 77.3#

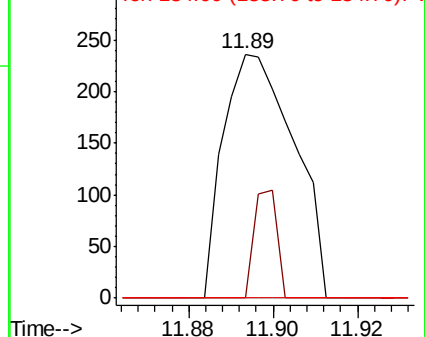
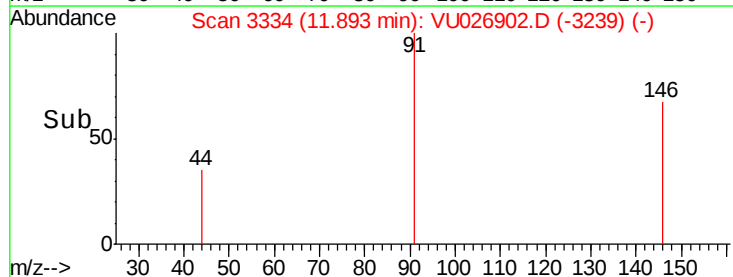
134 0.0 12.6 37.8#

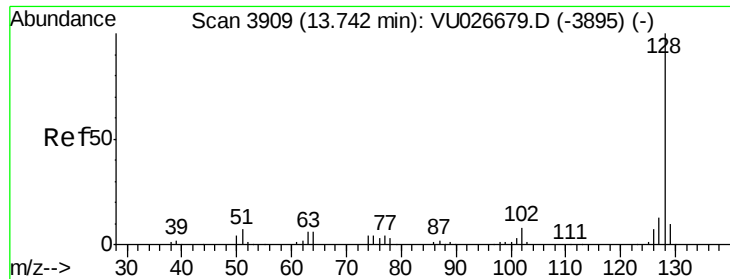


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V





#95

Naphthalene

Concen: 1.077 ug/l

RT: 13.76 min Scan# 3916

Delta R.T. 0.02 min

Lab File: VU026902.D

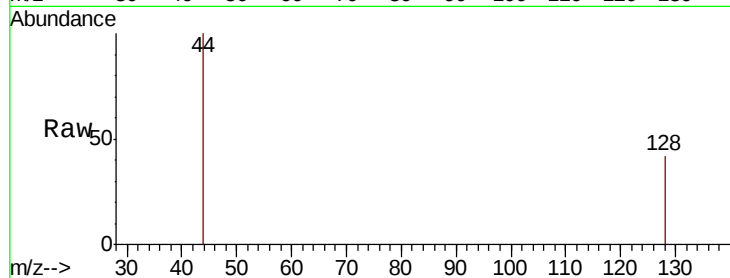
Acq: 19 Sep 2018 17:19

Instrument :

MSVOA_U

ClientSampleId :

BP-DUP01-20180912



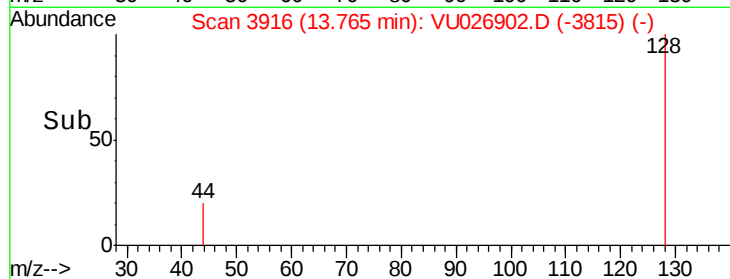
Tgt Ion:128 Resp: 384

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

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

