

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121318\
 Data File : VU028661.D
 Acq On : 12 Dec 2018 18:47
 Operator : MD/SY
 Sample : J6343-18
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BPS1-TT-MW309D-20181210

Quant Time: Dec 13 00:50:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

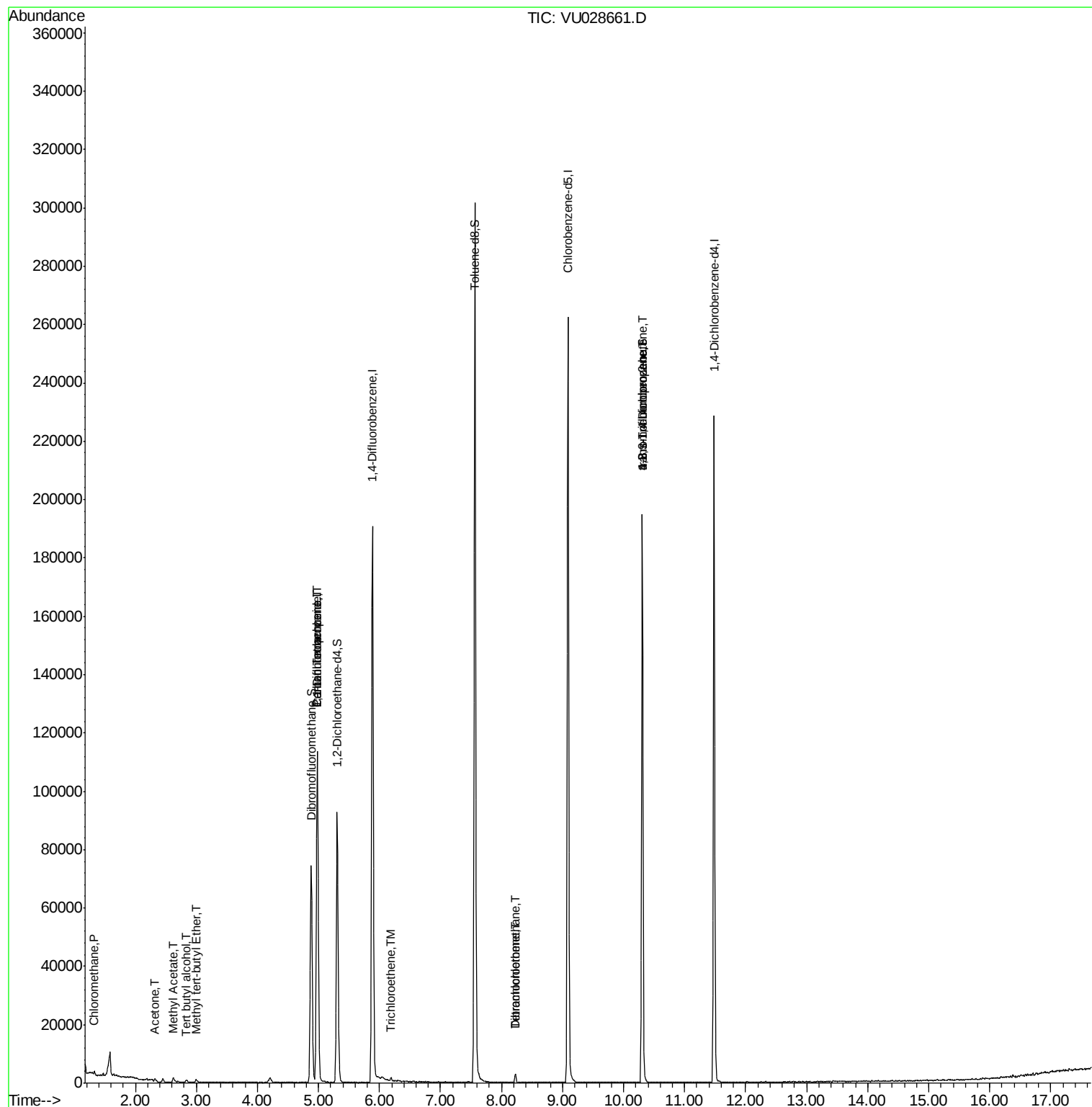
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	84508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	153630	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	139221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	55343	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	70476	54.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.30%	
35) Dibromofluoromethane	4.88	113	51669	53.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.88%	
50) Toluene-d8	7.56	98	199346	52.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.24%	
62) 4-Bromofluorobenzene	10.30	95	65894	46.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.20%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	1169	0.561	ug/l	94
11) Tert butyl alcohol	2.83	59	285	0.992	ug/l #	73
16) Acetone	2.32	43	1279	1.520	ug/l	98
18) Methyl Acetate	2.62	43	2388	1.095	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	736	0.206	ug/l #	51
31) Cyclohexane	4.98	56	1975	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	7554	4.493	ug/l #	48
38) Carbon Tetrachloride	4.98	117	8275	6.107	ug/l #	15
44) Trichloroethene	6.19	130	303	0.275	ug/l	83
60) Dibromochloromethane	8.22	129	600	0.532	ug/l #	10
64) Tetrachloroethene	8.23	164	796	0.857	ug/l #	83
76) 1,2,3-Trichloropropane	10.30	75	34610	24.491	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	34610	60.107	ug/l #	100

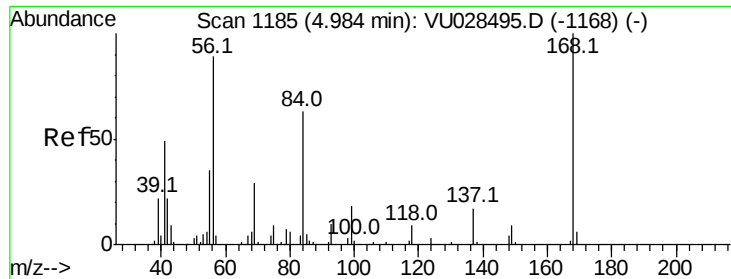
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU028661.D

Acq: 12 Dec 2018 18:47

Instrument :

MSVOA_U

ClientSampleId :

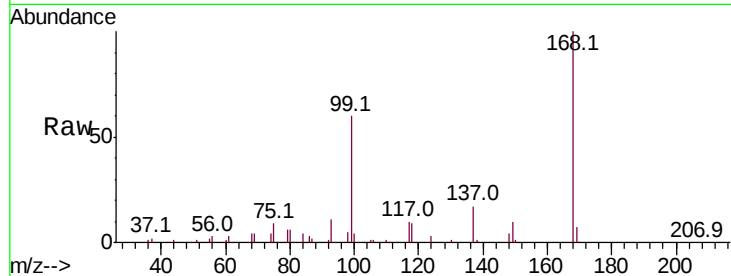
BPS1-TT-MW309D-20181210

Tot Ion:168 Resp: 84508

Ion Ratio Lower Upper

168 100

99 60.0 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

40000

30000

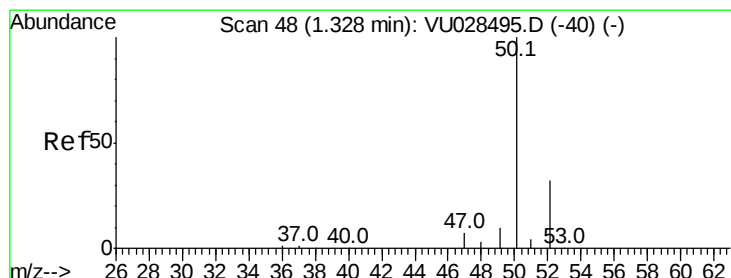
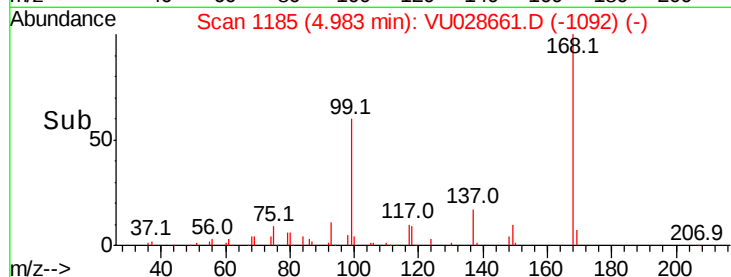
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#3

Chloromethane

Concen: 0.561 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU028661.D

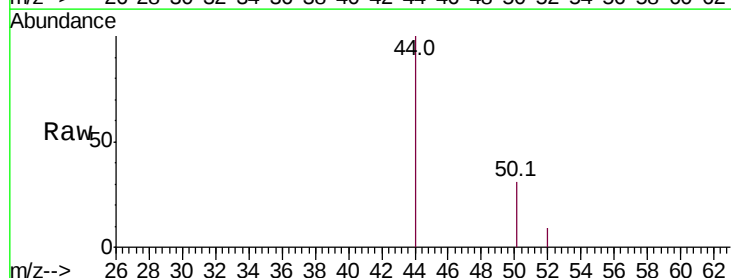
Acq: 12 Dec 2018 18:47

Tgt Ion: 50 Resp: 1169

Ion Ratio Lower Upper

50 100

52 28.7 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU028495.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU028495.D (-40) (-)

1.33

1000

800

600

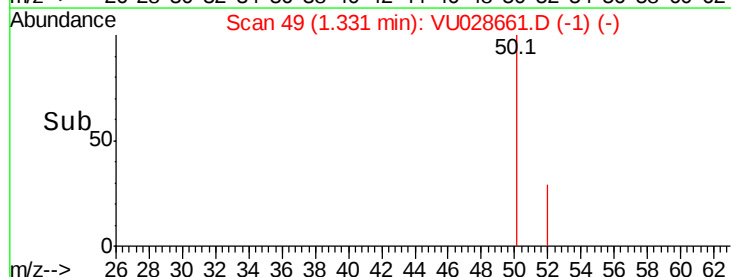
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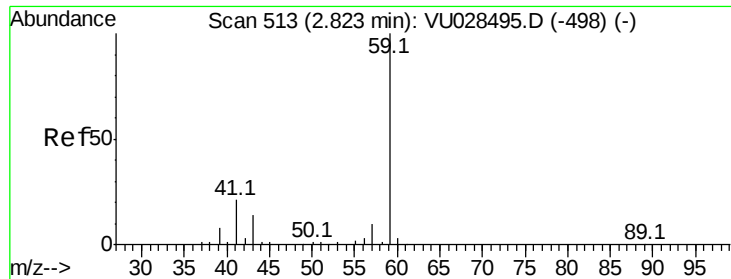
200

0

1.30 1.35

Time-->

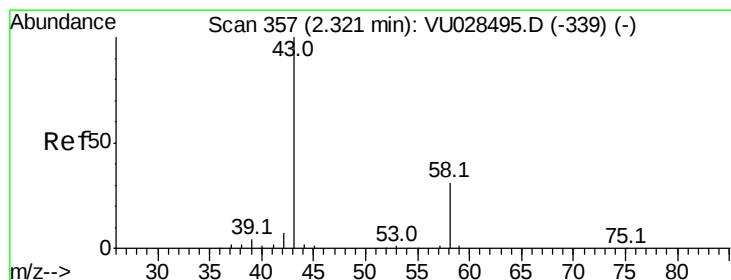
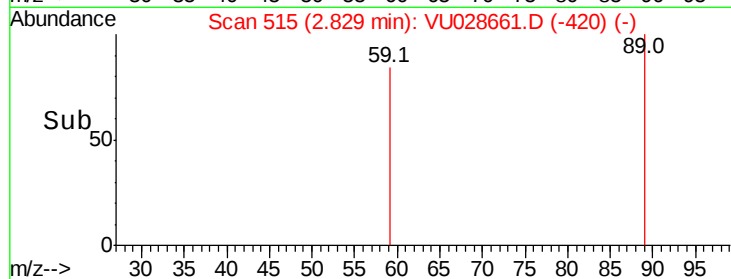
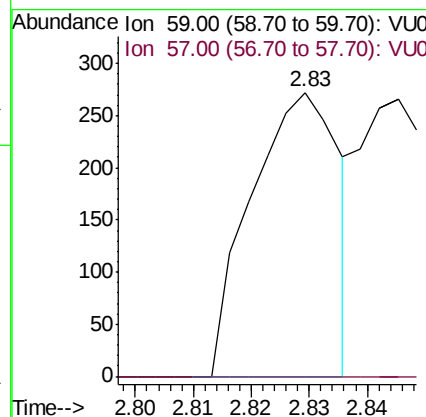
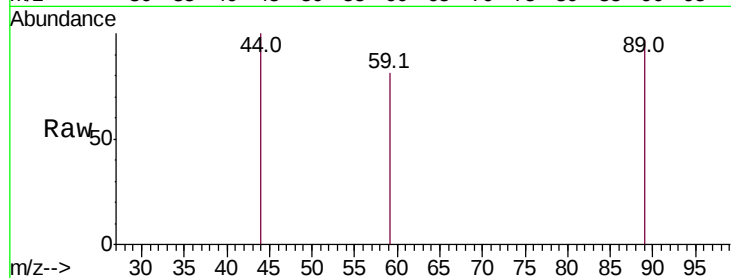




#11
Tert butyl alcohol
Concen: 0.992 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.01 min
Lab File: VU028661.D
Acq: 12 Dec 2018 18:47

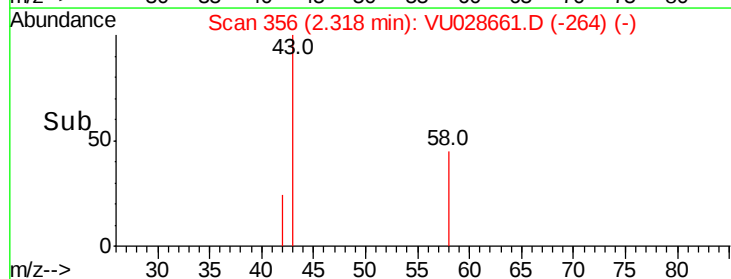
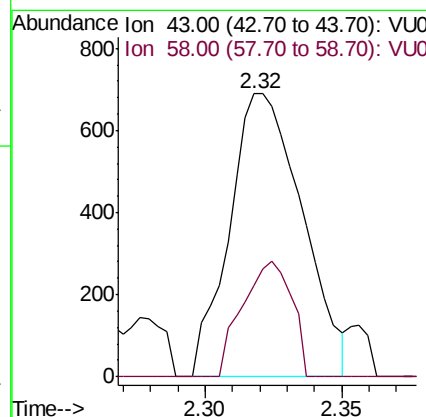
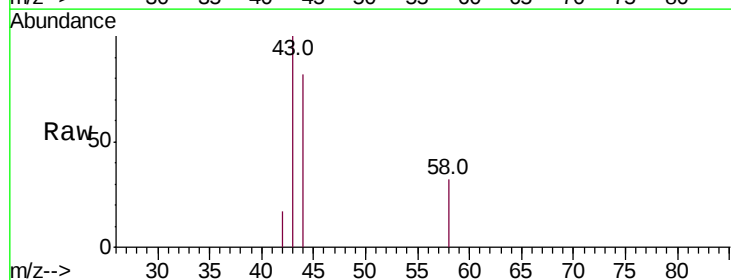
Instrument :
MSVOA_U
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BPS1-TT-MW309D-20181210

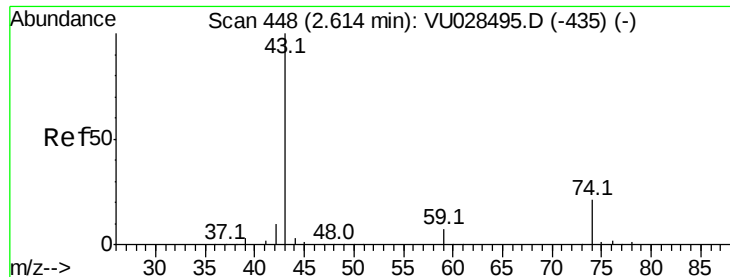
Tot Ion: 59 Resp: 285
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#16
Acetone
Concen: 1.520 ug/l
RT: 2.32 min Scan# 356
Delta R.T. -0.00 min
Lab File: VU028661.D
Acq: 12 Dec 2018 18:47

Tgt Ion: 43 Resp: 1279
Ion Ratio Lower Upper
43 100
58 32.1 24.6 37.0

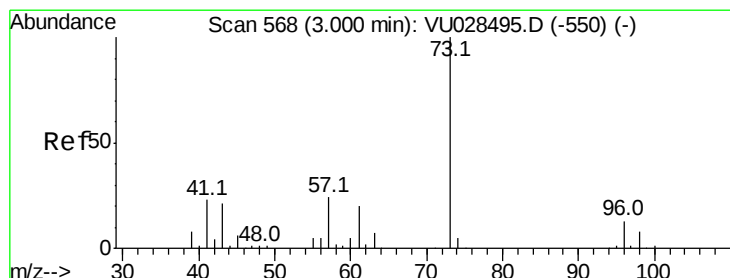
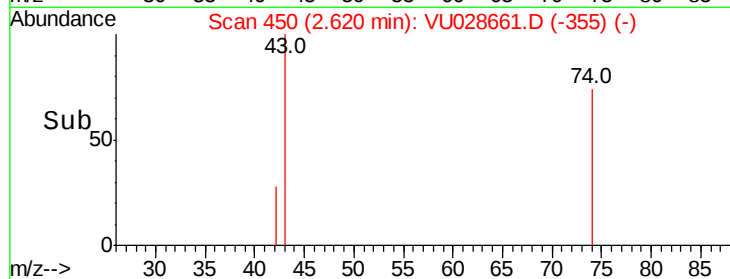
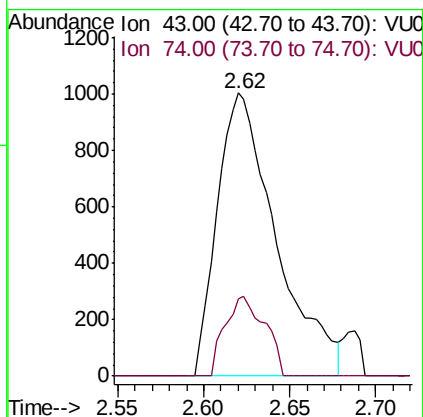
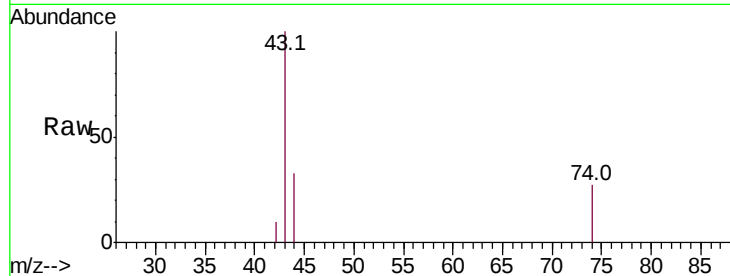




#18
Methyl Acetate
Concen: 1.095 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.01 min
Lab File: VU028661.D
Acq: 12 Dec 2018 18:47

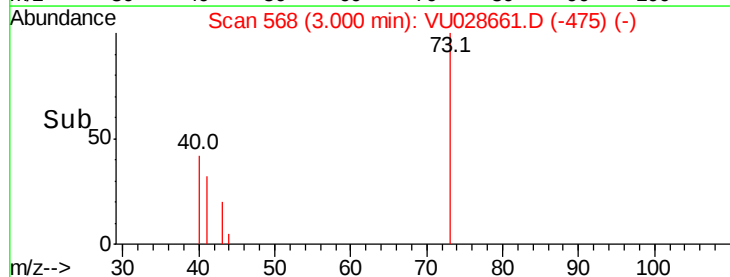
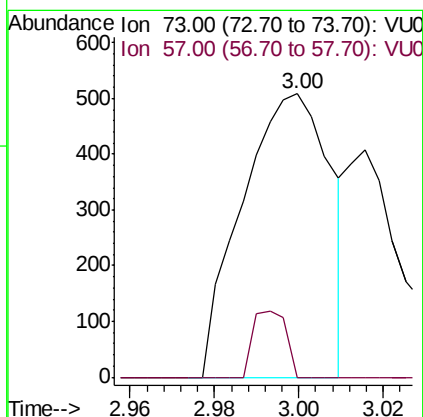
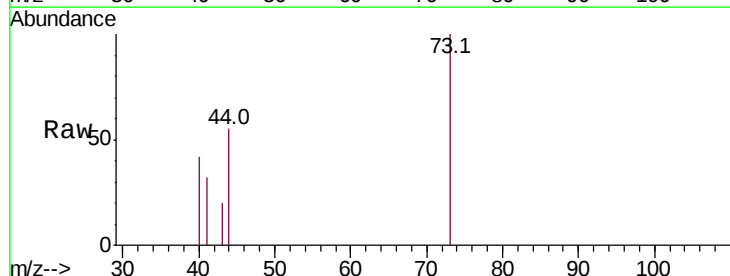
Instrument :
MSVOA_U
ClientSampleId :
BPS1-TT-MW309D-20181210

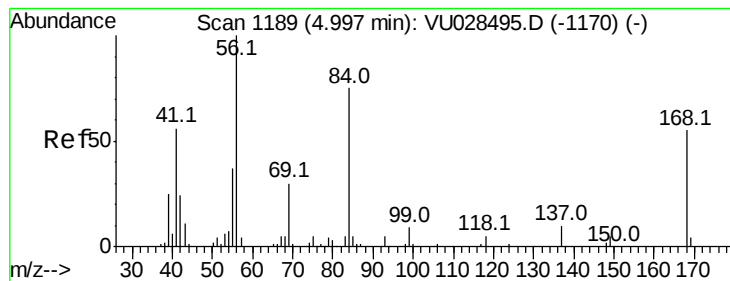
Tot Ion: 43 Resp: 2388
Ion Ratio Lower Upper
43 100
74 19.1 16.4 24.6



#19
Methyl tert-butyl Ether
Concen: 0.206 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028661.D
Acq: 12 Dec 2018 18:47

Tgt Ion: 73 Resp: 736
Ion Ratio Lower Upper
73 100
57 0.0 19.4 29.2#





#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1184

Delta R.T. -0.02 min

Lab File: VU028661.D

Acq: 12 Dec 2018 18:47

Instrument :

MSVOA_U

ClientSampleId :

BPS1-TT-MW309D-20181210

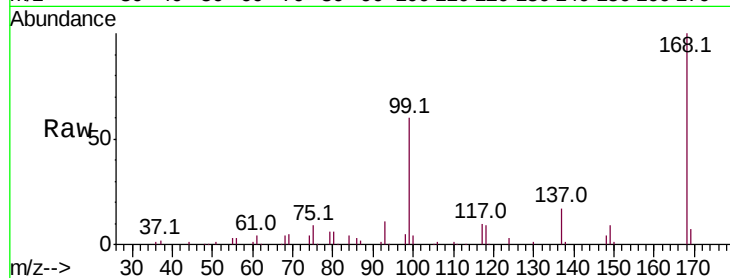
Tot Ion: 56 Resp: 1975

Ion Ratio Lower Upper

56 100

69 183.4 24.0 36.0#

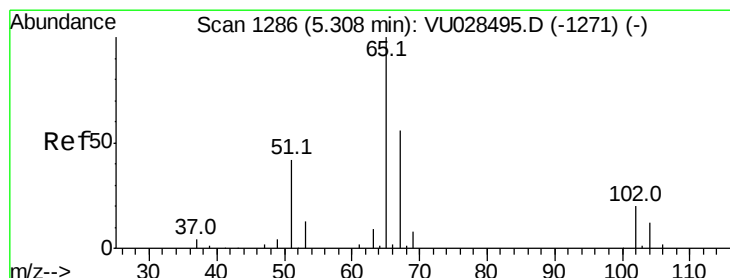
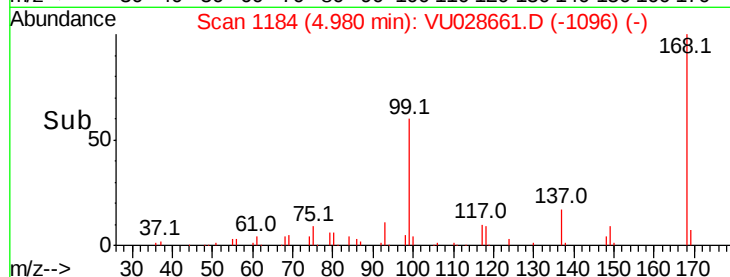
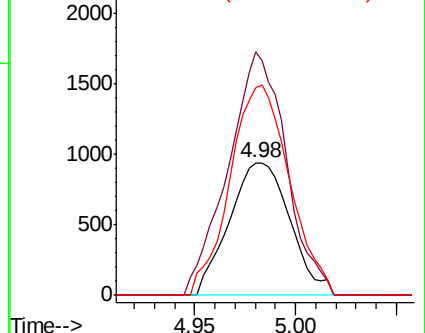
84 156.1 59.7 89.5#



Abundance Ion 56.00 (55.70 to 56.70): VU028495.D (-1170) (-)

Ion 69.00 (68.70 to 69.70): VU028495.D (-1170) (-)

Ion 84.00 (83.70 to 84.70): VU028495.D (-1170) (-)



#33

1,2-Dichloroethane-d4

Concen: 54.648 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU028661.D

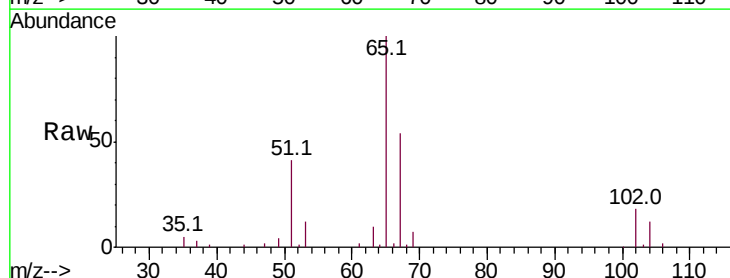
Acq: 12 Dec 2018 18:47

Tgt Ion: 65 Resp: 70476

Ion Ratio Lower Upper

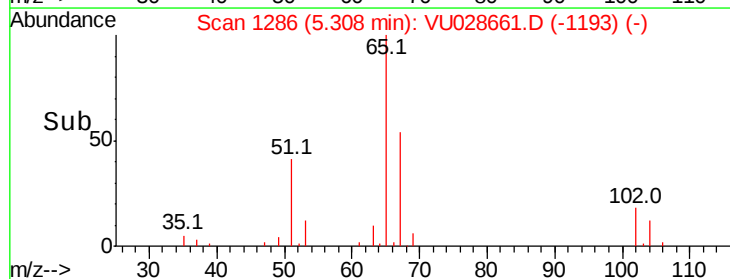
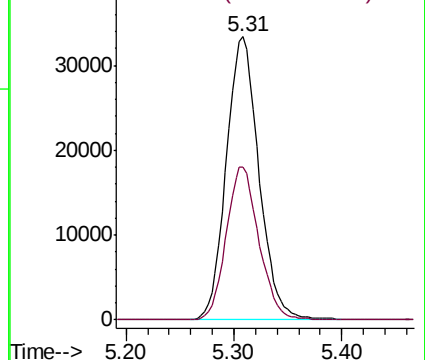
65 100

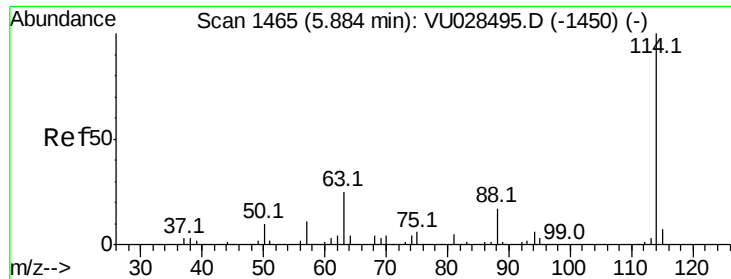
67 54.0 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU028495.D (-1271) (-)

Ion 66.90 (66.60 to 67.60): VU028495.D (-1271) (-)

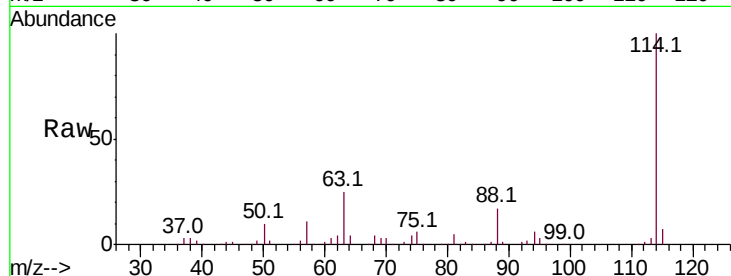




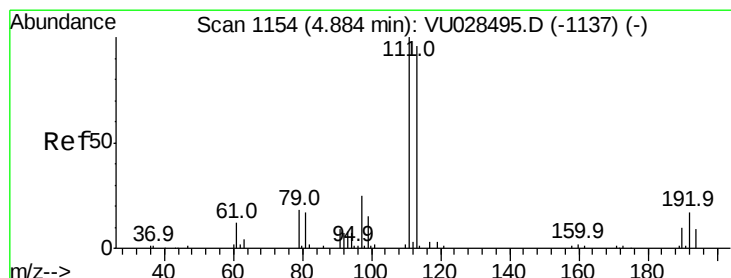
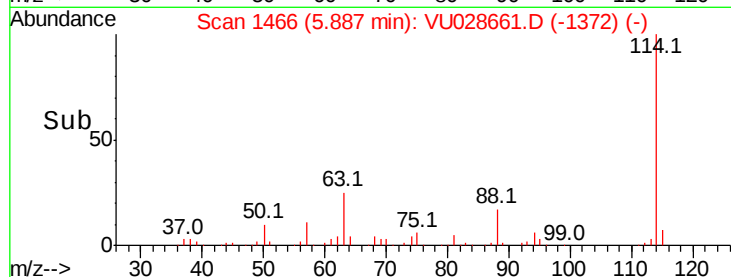
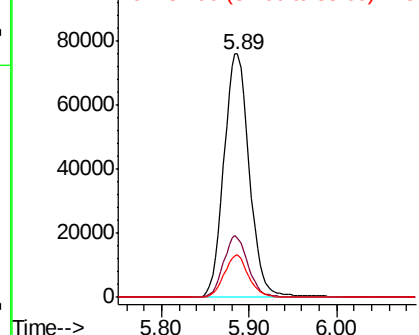
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028661.D
 Acq: 12 Dec 2018 18:47

Instrument :
 MSVOA_U
 ClientSampleId :
 BPS1-TT-MW309D-20181210

Tot Ion:114 Resp: 153630
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 49.2
 88 17.3 0.0 33.4

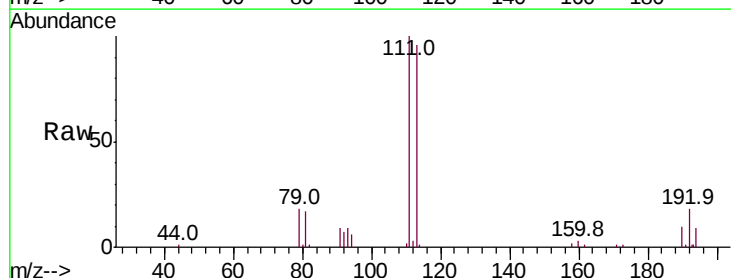


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

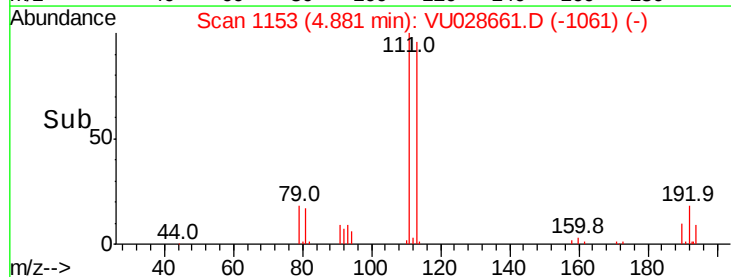
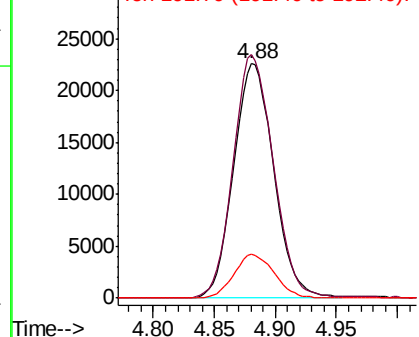


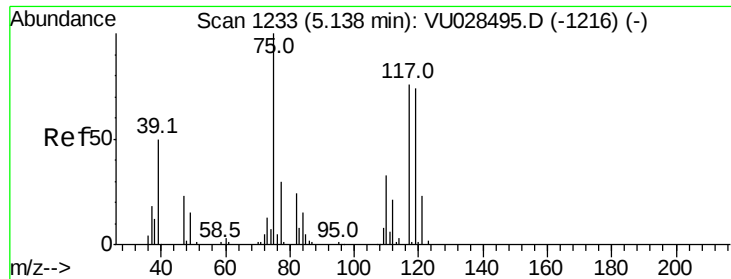
#35
 Dibromofluoromethane
 Concen: 53.443 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028661.D
 Acq: 12 Dec 2018 18:47

Tgt Ion:113 Resp: 51669
 Ion Ratio Lower Upper
 113 100
 111 104.2 83.4 125.0
 192 18.6 14.8 22.2



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: 4.493 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028661.D

Acq: 12 Dec 2018 18:47

Instrument :

MSVOA_U

ClientSampleId :

BPS1-TT-MW309D-20181210

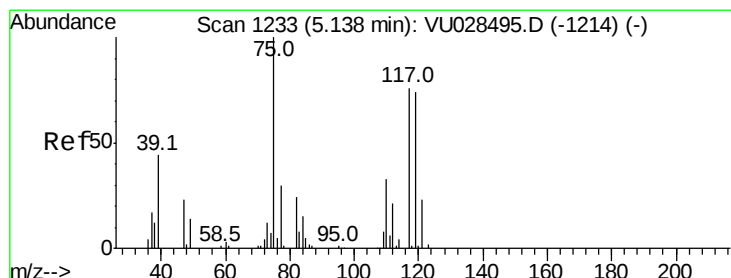
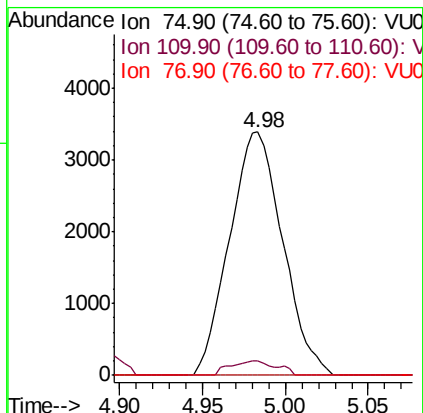
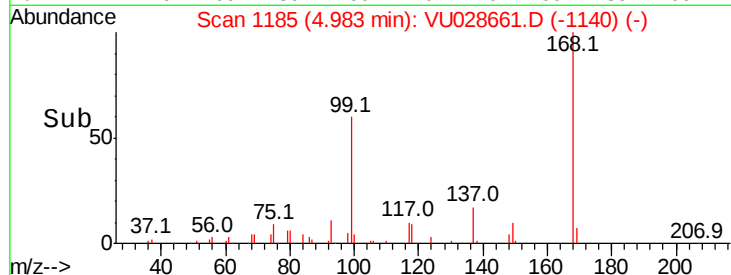
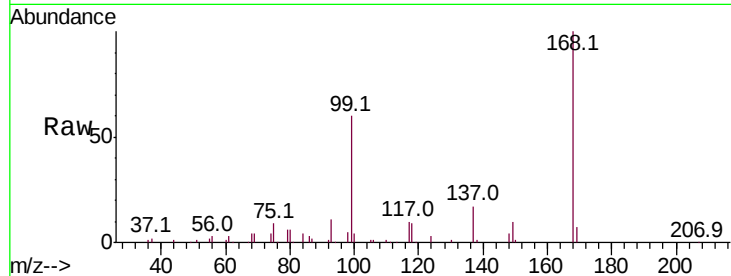
Tot Ion: 75 Resp: 7554

Ion Ratio Lower Upper

75 100

110 5.2 16.1 48.2#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.107 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028661.D

Acq: 12 Dec 2018 18:47

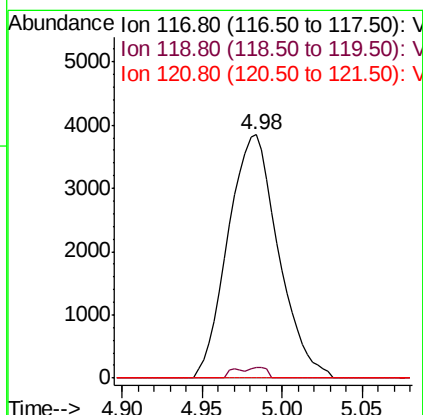
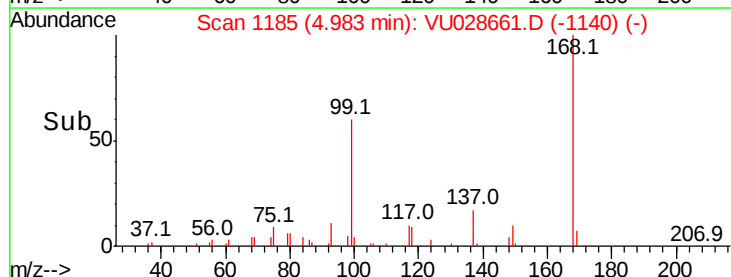
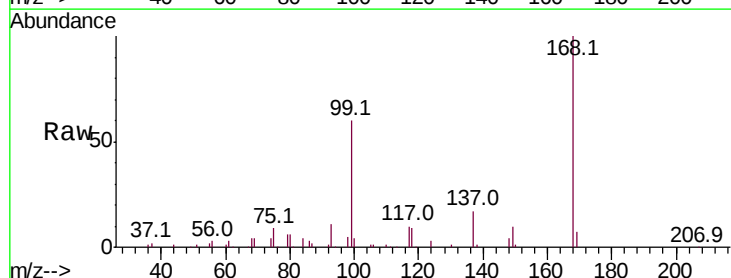
Tgt Ion: 117 Resp: 8275

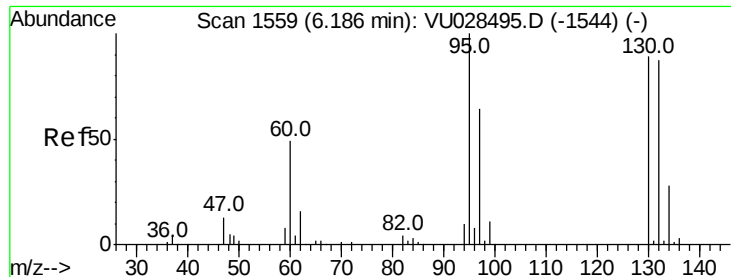
Ion Ratio Lower Upper

117 100

119 4.4 77.6 116.4#

121 0.0 24.6 36.8#





#44

Trichloroethene

Concen: 0.275 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU028661.D

Acq: 12 Dec 2018 18:47

Instrument :

MSVOA_U

ClientSampleId :

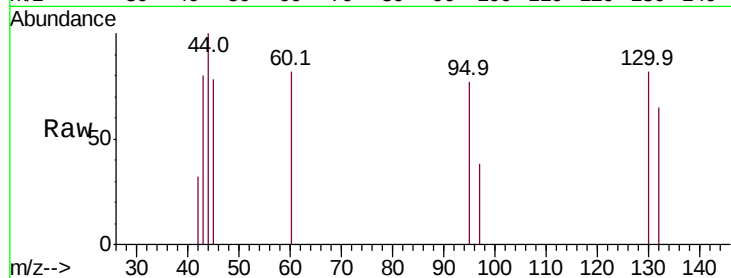
BPS1-TT-MW309D-20181210

Tot Ion:130 Resp: 303

Ion Ratio Lower Upper

130 100

95 93.9 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

6.19

250

200

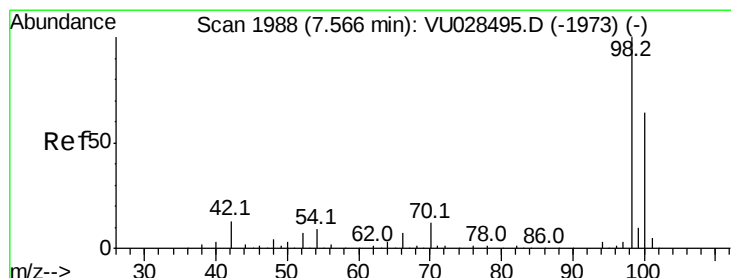
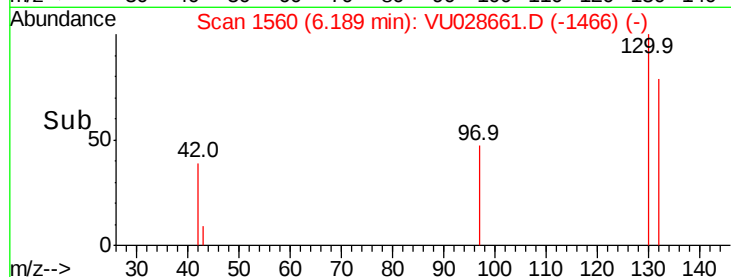
150

100

50

0

Time-->



#50

Toluene-d8

Concen: 52.123 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VU028661.D

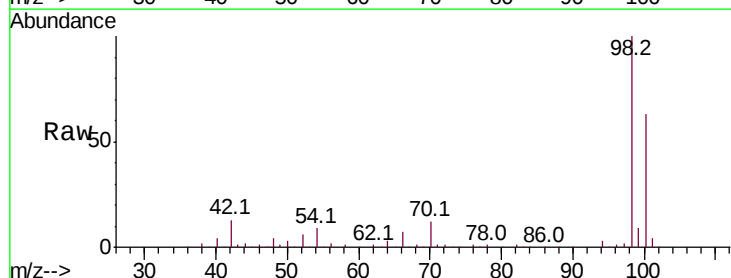
Acq: 12 Dec 2018 18:47

Tgt Ion: 98 Resp: 199346

Ion Ratio Lower Upper

98 100

100 63.5 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

7.56

120000

100000

80000

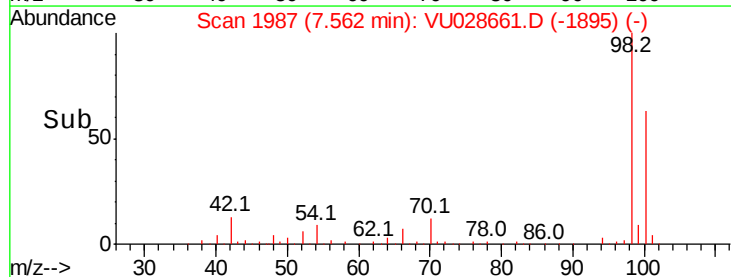
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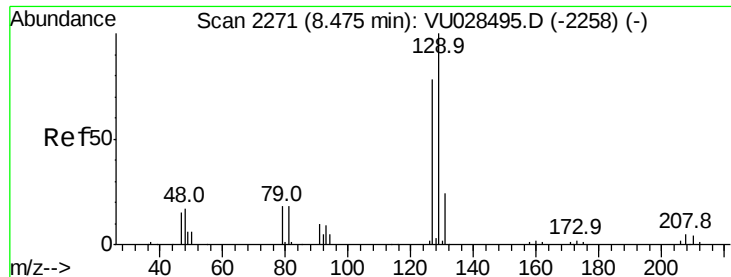
40000

20000

0

Time-->





#60

Dibromochloromethane

Concen: 0.532 ug/l

RT: 8.22 min Scan# 2193

Delta R.T. -0.25 min

Lab File: VU028661.D

Acq: 12 Dec 2018 18:47

Instrument :

MSVOA_U

ClientSampleId :

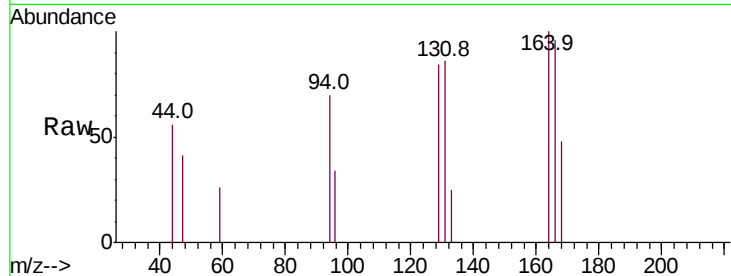
BPS1-TT-MW309D-20181210

Tot Ion:129 Resp: 600

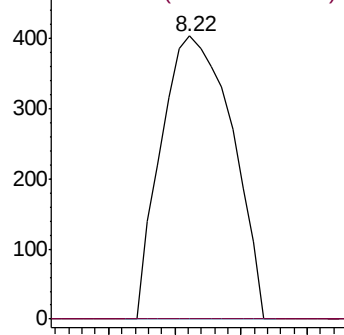
Ion Ratio Lower Upper

129 100

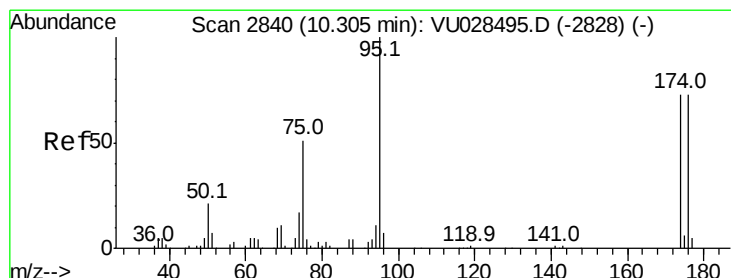
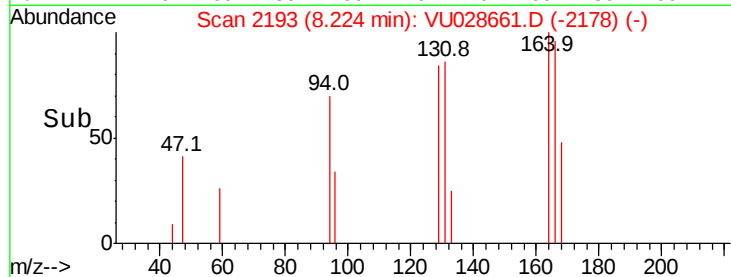
127 0.0 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 46.097 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028661.D

Acq: 12 Dec 2018 18:47

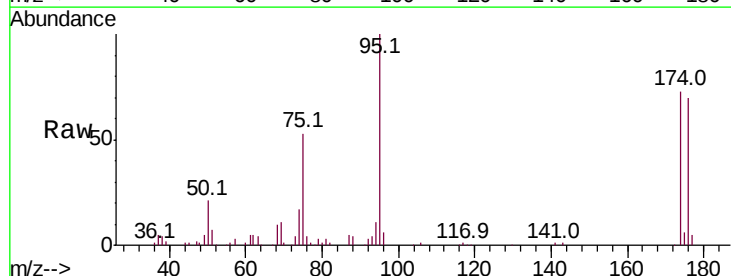
Tgt Ion: 95 Resp: 65894

Ion Ratio Lower Upper

95 100

174 76.4 0.0 150.4

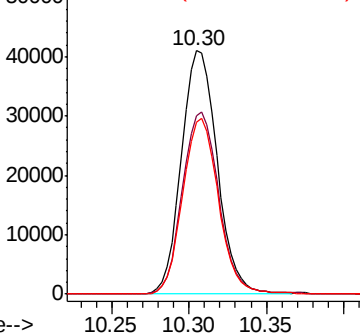
176 72.6 0.0 145.2



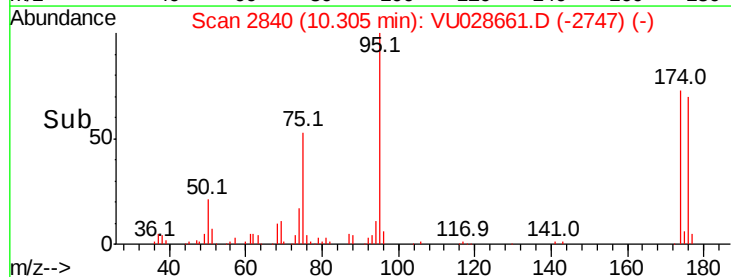
Abundance Ion 94.90 (94.60 to 95.60): VU0

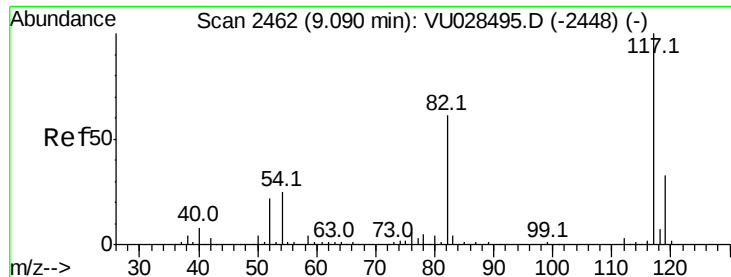
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

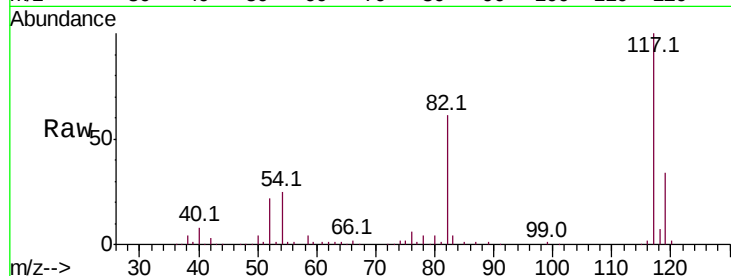




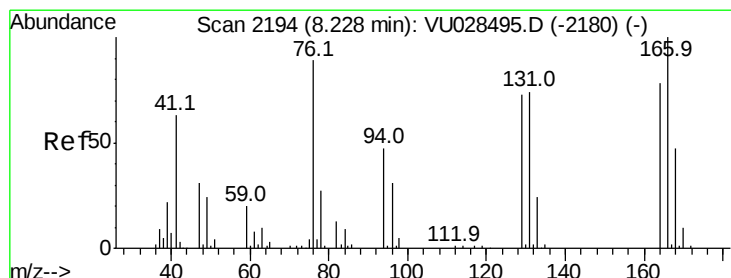
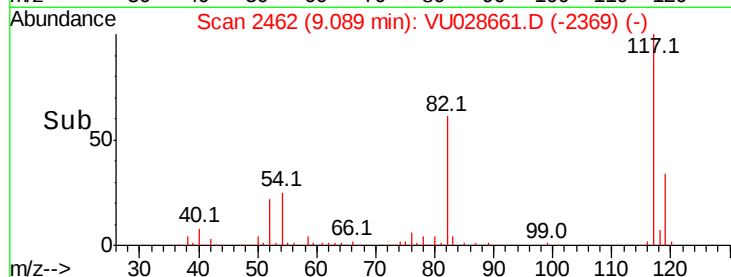
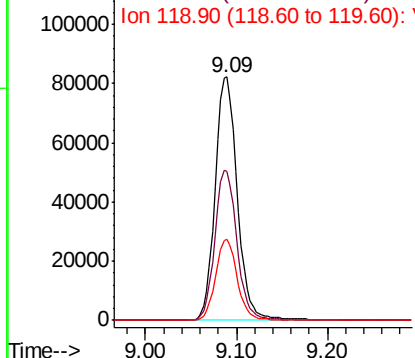
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028661.D
Acq: 12 Dec 2018 18:47

Instrument :
MSVOA_U
ClientSampleId :
BPS1-TT-MW309D-20181210

Tot Ion:117 Resp: 139221
Ion Ratio Lower Upper
117 100
82 61.2 48.9 73.3
119 33.5 26.2 39.4

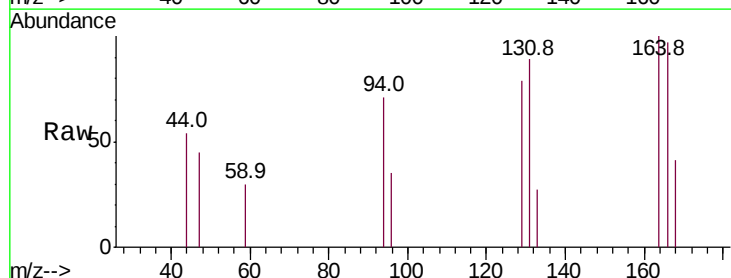


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

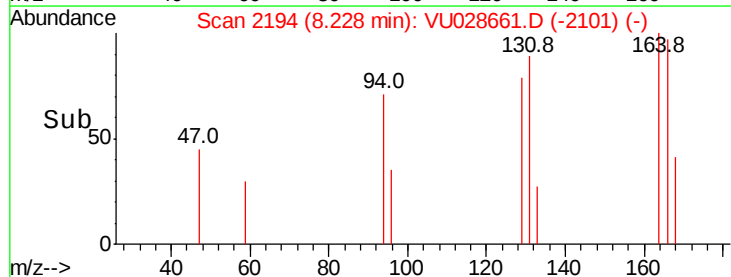
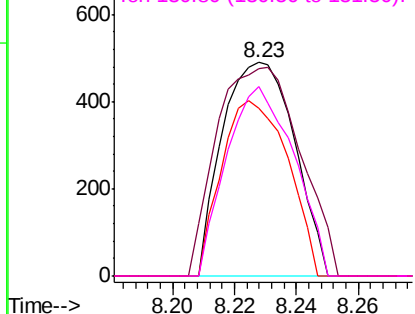


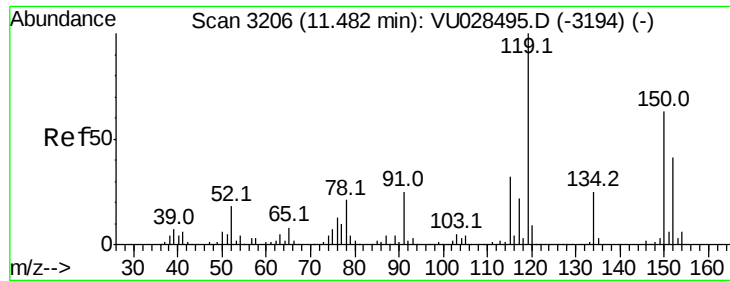
#64
Tetrachloroethene
Concen: 0.857 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028661.D
Acq: 12 Dec 2018 18:47

Tgt Ion:164 Resp: 796
Ion Ratio Lower Upper
164 100
166 96.9 101.9 152.9#
129 78.6 74.9 112.3
131 88.6 75.4 113.0



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028661.D

Acq: 12 Dec 2018 18:47

Instrument :

MSVOA_U

ClientSampleId :

BPS1-TT-MW309D-20181210

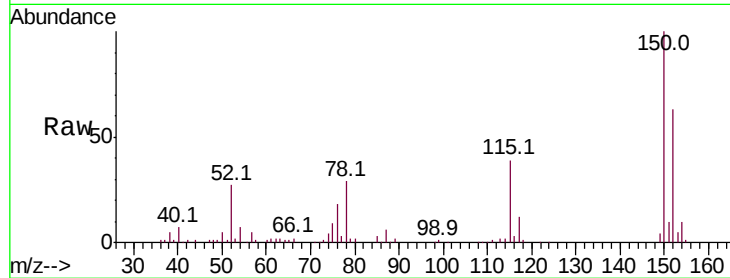
Tot Ion:152 Resp: 55343

Ion Ratio Lower Upper

152 100

115 60.9 42.7 128.1

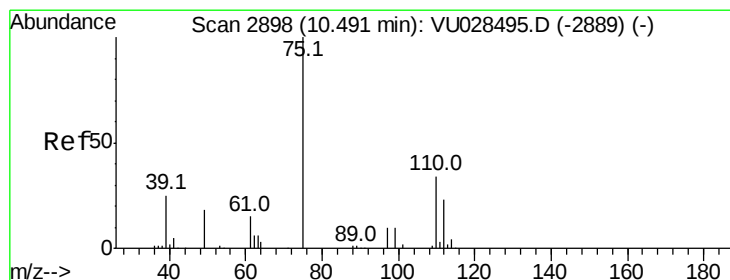
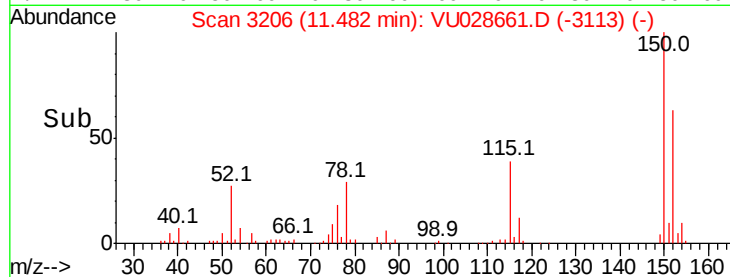
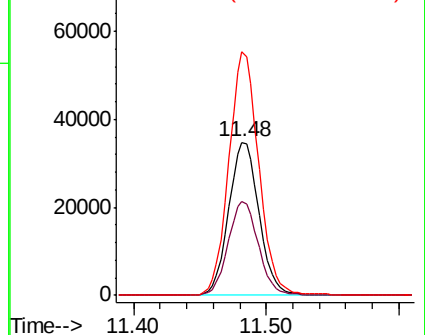
150 156.7 0.0 346.0



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: 24.491 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028661.D

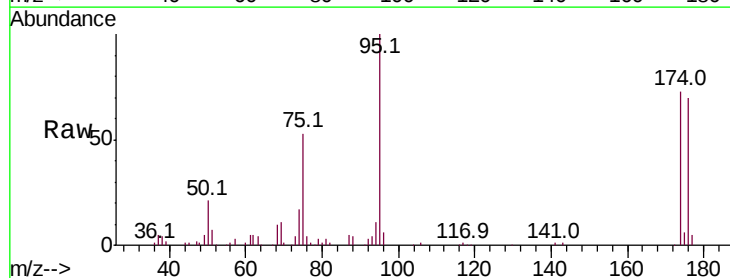
Acq: 12 Dec 2018 18:47

Tgt Ion: 75 Resp: 34610

Ion Ratio Lower Upper

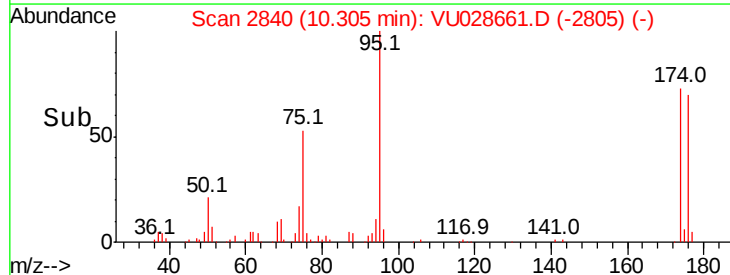
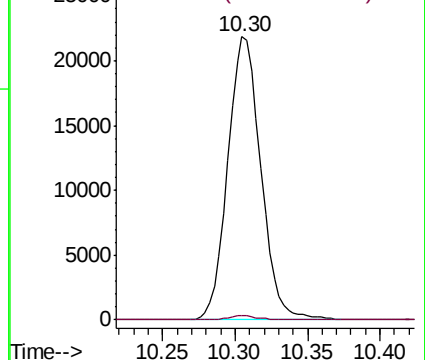
75 100

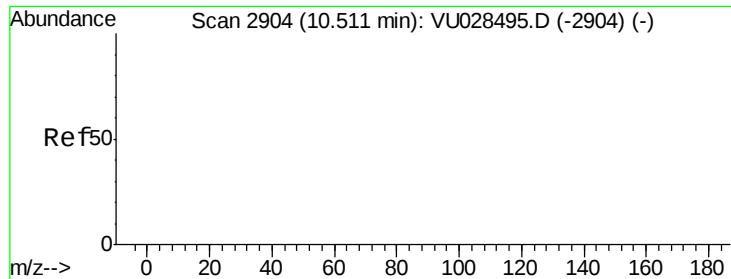
77 1.2 20.8 62.4#



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: 60.107 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028661.D

Acq: 12 Dec 2018 18:47

Instrument :

MSVOA_U

ClientSampleId :

BPS1-TT-MW309D-20181210

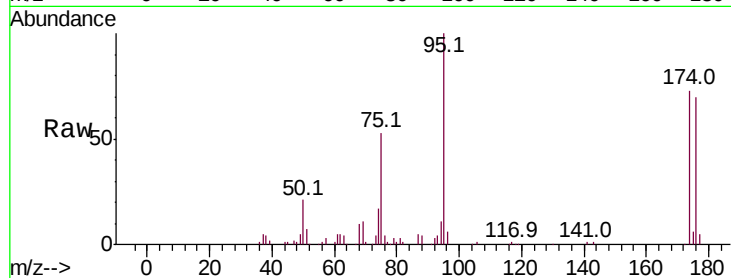
Tot Ion: 75 Resp: 34610

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

