

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\
 Data File : VU028569.D
 Acq On : 10 Dec 2018 22:25
 Operator : MD/SY
 Sample : J6335-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TT-AOC22-MW08-20181207

Quant Time: Dec 11 03:41:29 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	81854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	147729	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	137403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	54224	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	69994	56.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.06%	
35) Dibromofluoromethane	4.88	113	50903	54.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.50%	
50) Toluene-d8	7.57	98	195532	53.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.34%	
62) 4-Bromofluorobenzene	10.30	95	64219	46.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.44%	

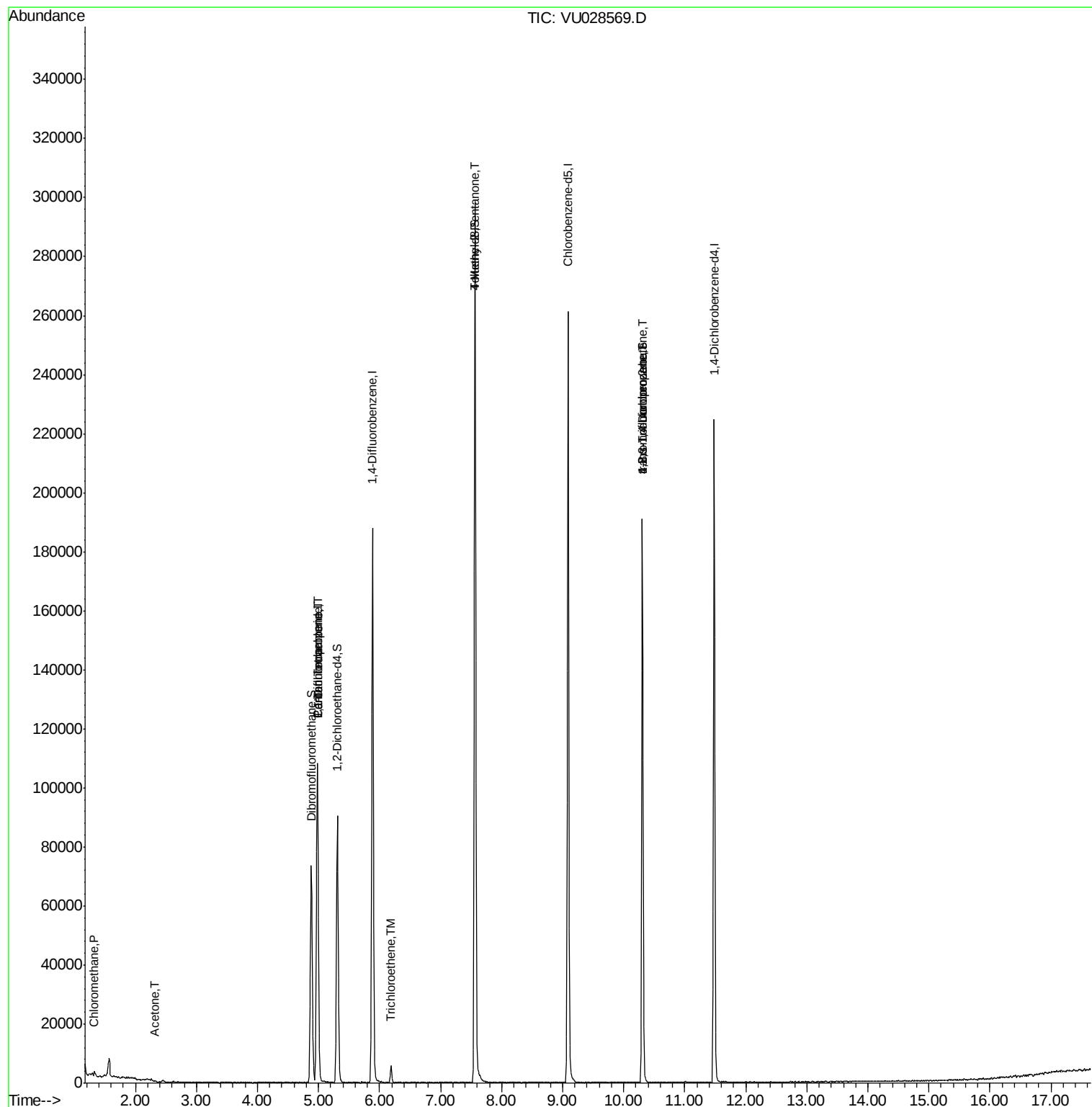
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	970	0.481	ug/l #	87
16) Acetone	2.32	43	434	0.532	ug/l #	44
31) Cyclohexane	4.98	56	1898	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	7422	4.591	ug/l #	49
38) Carbon Tetrachloride	4.98	117	7941	6.095	ug/l #	15
44) Trichloroethene	6.19	130	1771	1.673	ug/l	87
51) 4-Methyl-2-Pentanone	7.57	43	1007	0.483	ug/l #	1
76) 1,2,3-Trichloropropane	10.30	75	33945	24.516	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.30	75	33945	60.169	ug/l #	100

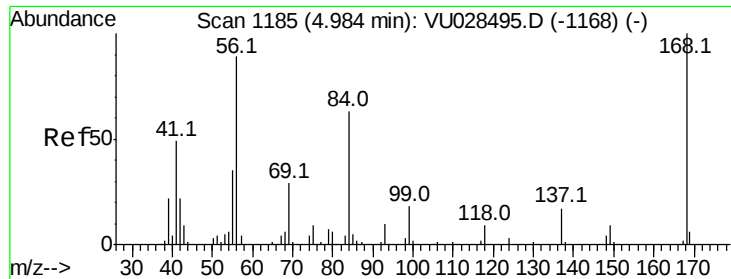
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121118\
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BP-TT-AOC22-MW08-20181207

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
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: VU028569.D

Acq: 10 Dec 2018 22:25

Instrument :

MSVOA_U

ClientSampleId :

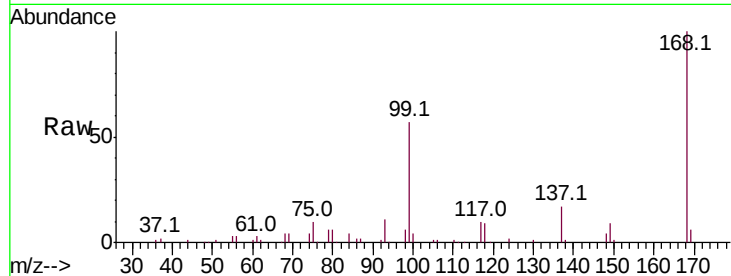
BP-TT-AOC22-MW08-20181207

Tot Ion:168 Resp: 81854

Ion Ratio Lower Upper

168 100

99 57.4 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

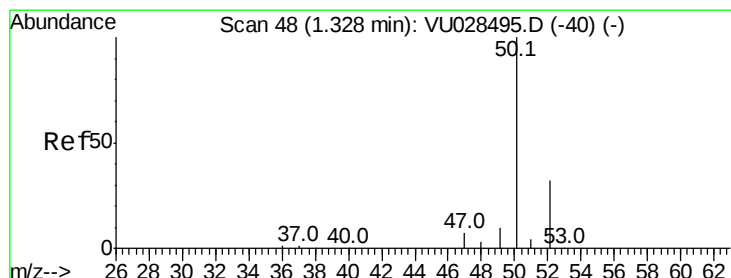
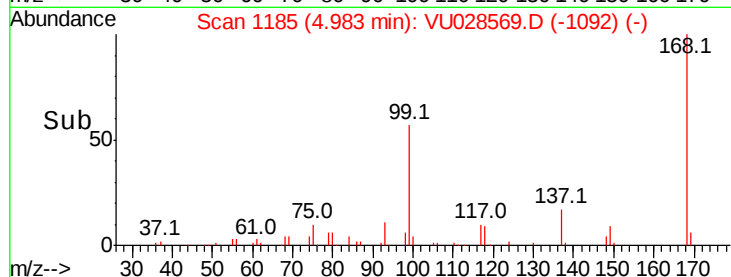
20000

10000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: 0.481 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028569.D

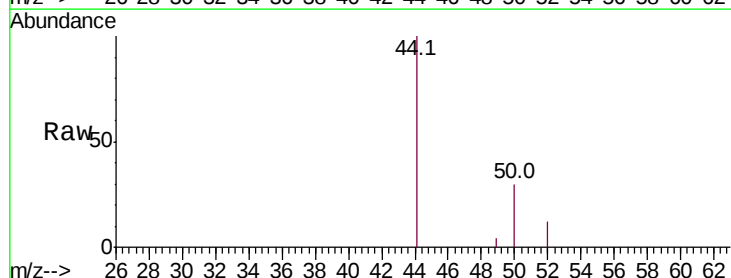
Acq: 10 Dec 2018 22:25

Tgt Ion: 50 Resp: 970

Ion Ratio Lower Upper

50 100

52 39.2 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

800

600

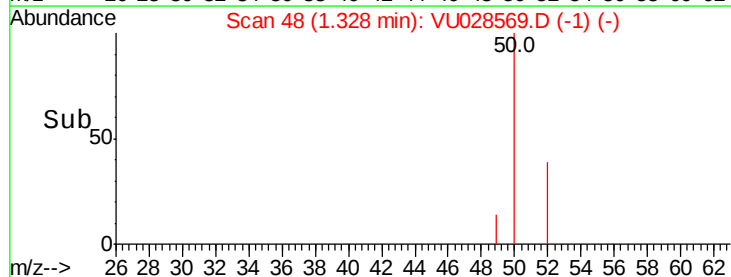
400

200

0

1.30 1.32 1.34 1.36

Time-->





#16

Acetone

Concen: 0.532 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028569.D

Acq: 10 Dec 2018 22:25

Instrument :

MSVOA_U

ClientSampleId :

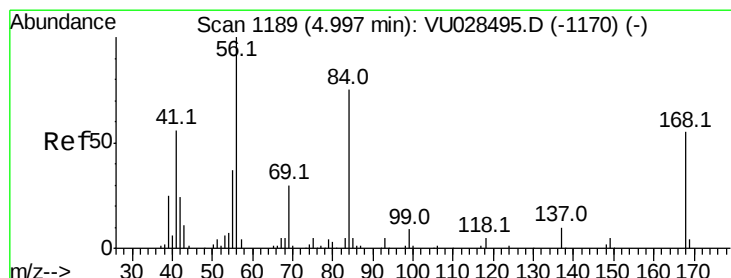
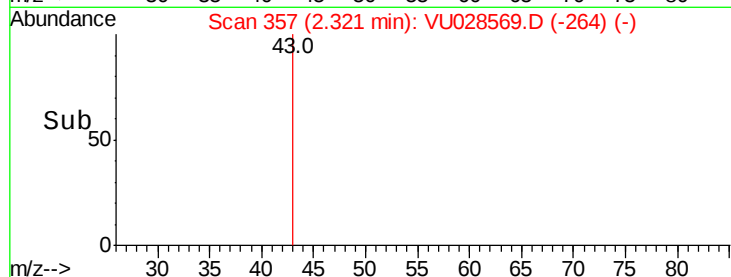
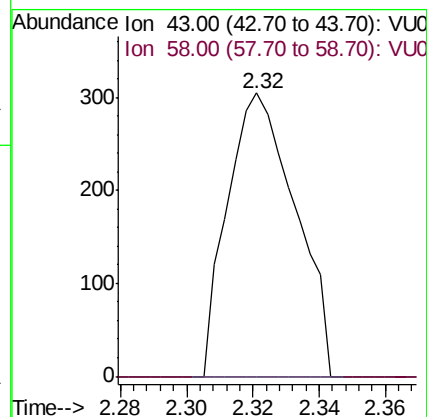
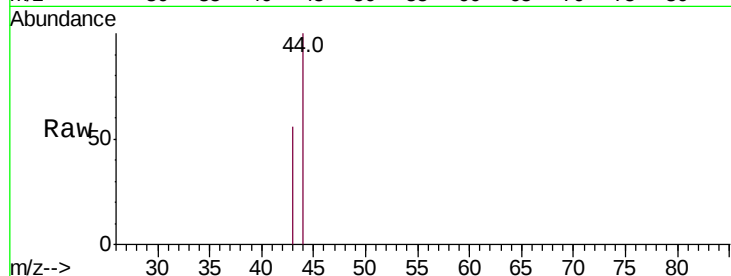
BP-TT-AOC22-MW08-20181207

Tot Ion: 43 Resp: 434

Ion Ratio Lower Upper

43 100

58 0.0 24.6 37.0#



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VU028569.D

Acq: 10 Dec 2018 22:25

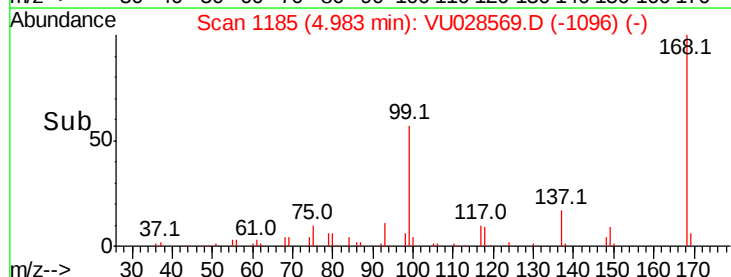
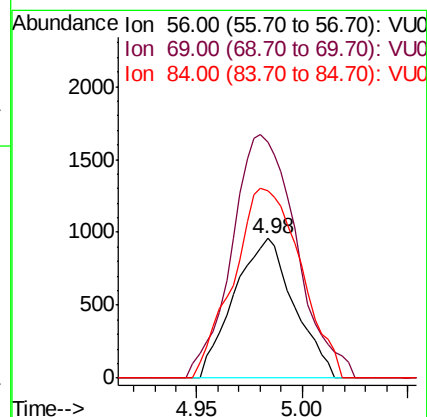
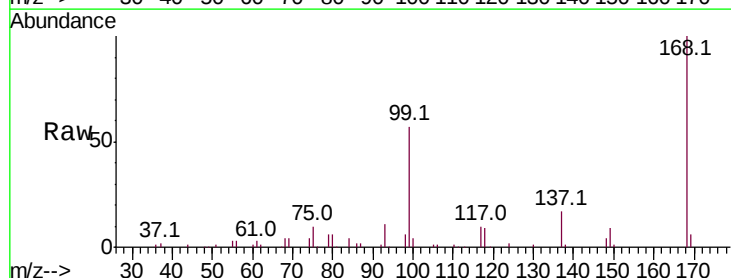
Tgt Ion: 56 Resp: 1898

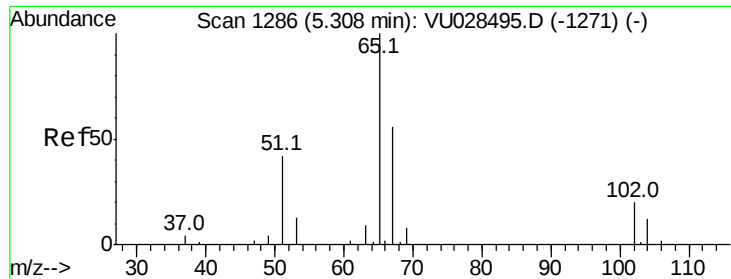
Ion Ratio Lower Upper

56 100

69 158.4 24.0 36.0#

84 133.7 59.7 89.5#

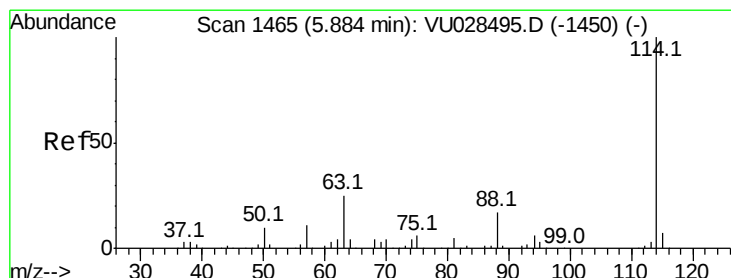
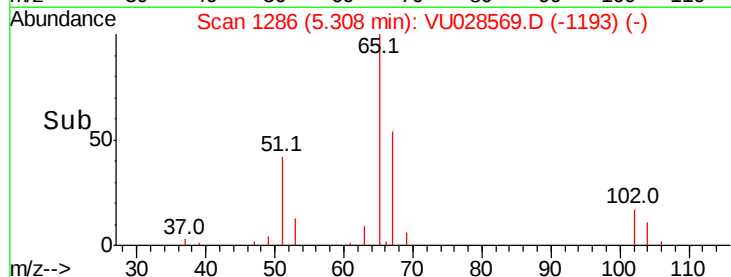
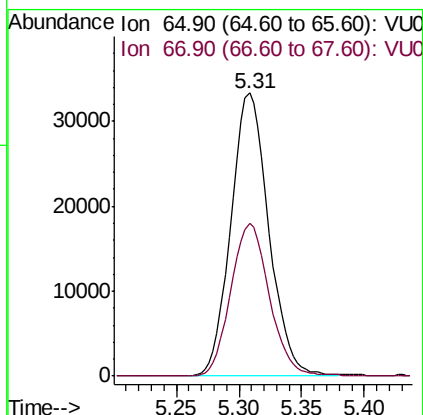
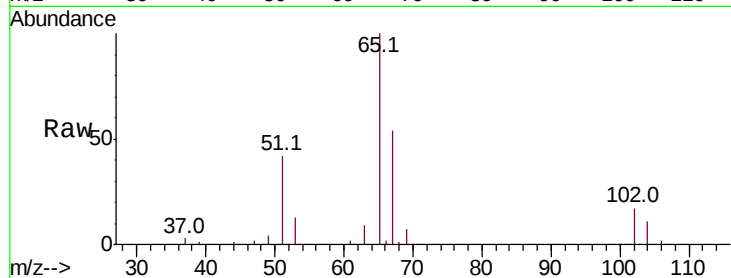




#33
 1,2-Dichloroethane-d4
 Concen: 56.034 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028569.D
 Acq: 10 Dec 2018 22:25

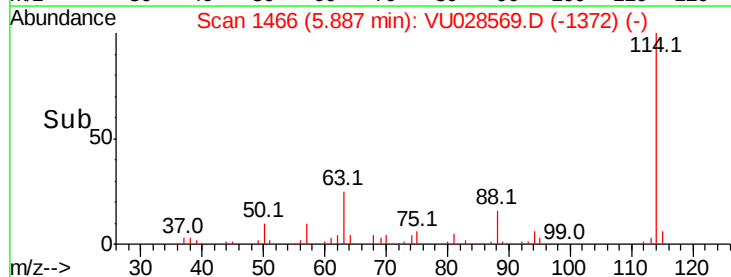
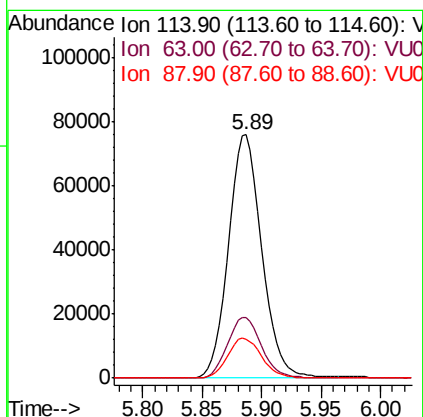
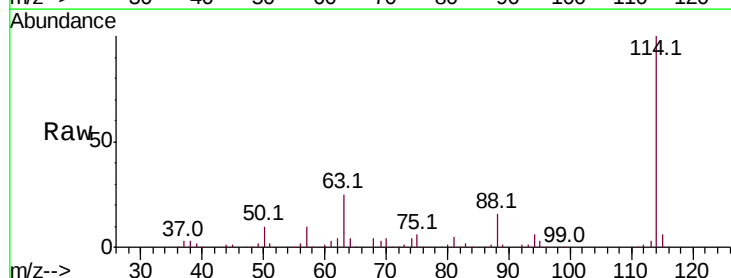
Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TT-AOC22-MW08-20181207

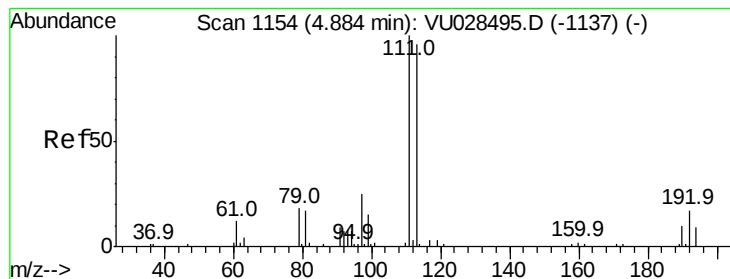
Tot Ion: 65 Resp: 69994
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028569.D
 Acq: 10 Dec 2018 22:25

Tgt Ion: 114 Resp: 147729
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 49.2
 88 16.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 54.754 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028569.D

Acq: 10 Dec 2018 22:25

Instrument :

MSVOA_U

ClientSampleId :

BP-TT-AOC22-MW08-20181207

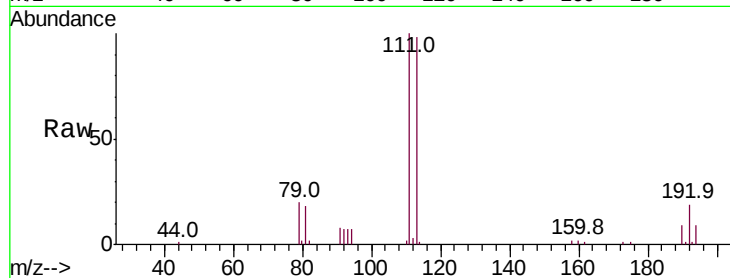
Tot Ion:113 Resp: 50903

Ion Ratio Lower Upper

113 100

111 103.5 83.4 125.0

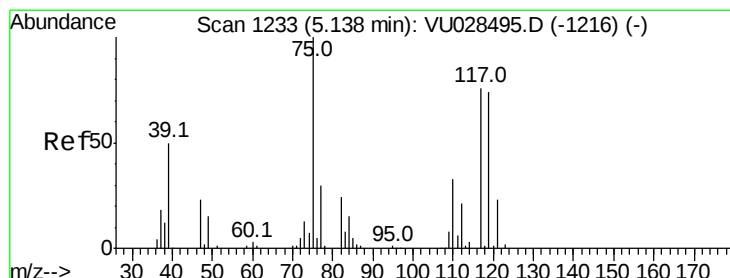
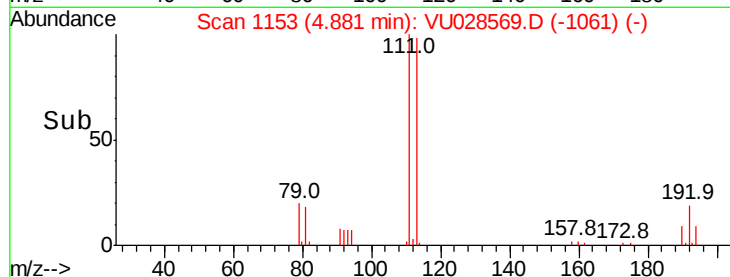
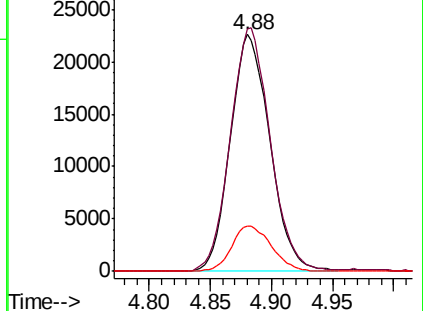
192 19.1 14.8 22.2



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: 4.591 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.16 min

Lab File: VU028569.D

Acq: 10 Dec 2018 22:25

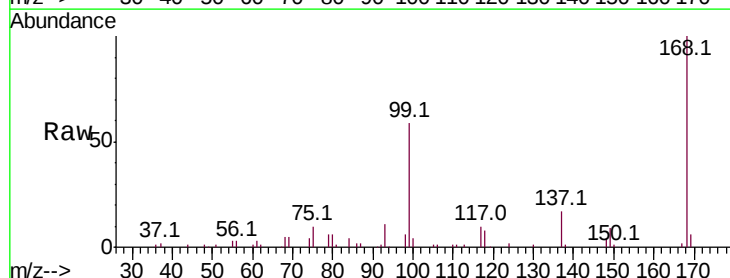
Tgt Ion: 75 Resp: 7422

Ion Ratio Lower Upper

75 100

110 6.5 16.1 48.2#

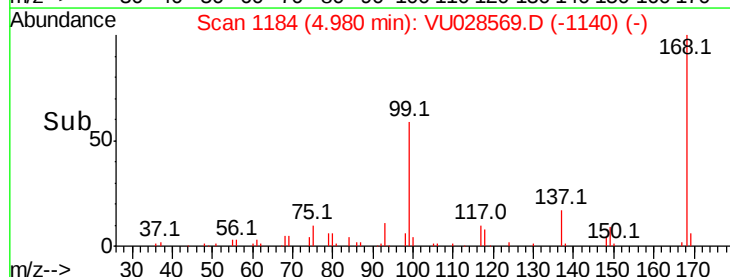
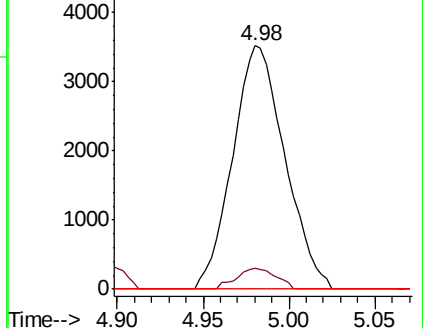
77 0.0 24.5 36.7#

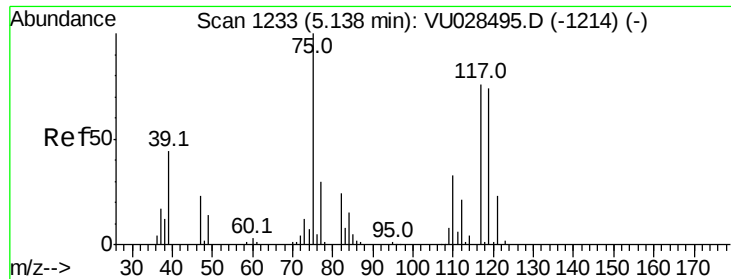


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 6.095 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.16 min

Lab File: VU028569.D

Acq: 10 Dec 2018 22:25

Instrument :

MSVOA_U

ClientSampleId :

BP-TT-AOC22-MW08-20181207

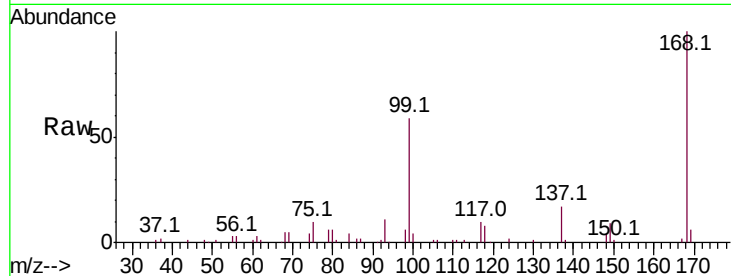
Tot Ion:117 Resp: 7941

Ion Ratio Lower Upper

117 100

119 4.4 77.6 116.4#

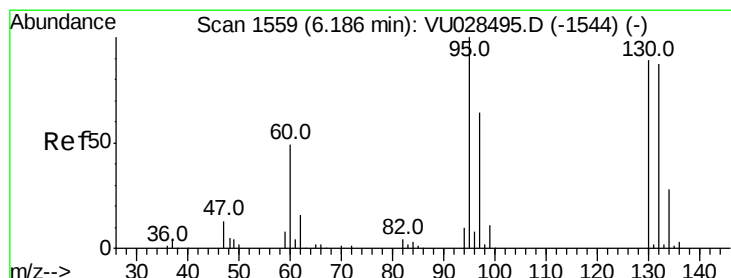
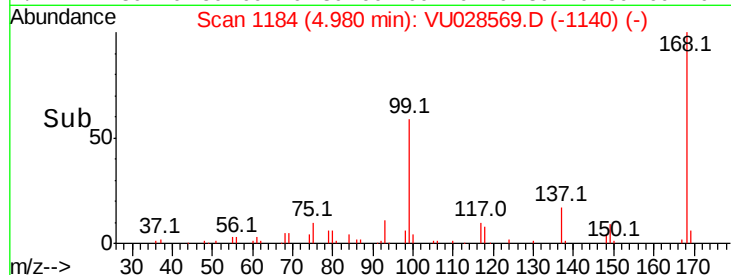
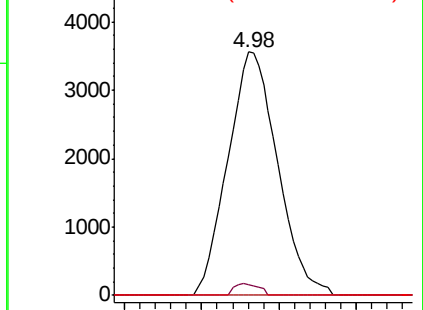
121 0.0 24.6 36.8#



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



#44

Trichloroethene

Concen: 1.673 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028569.D

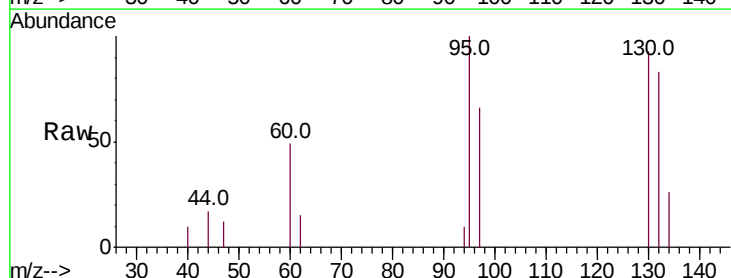
Acq: 10 Dec 2018 22:25

Tgt Ion:130 Resp: 1771

Ion Ratio Lower Upper

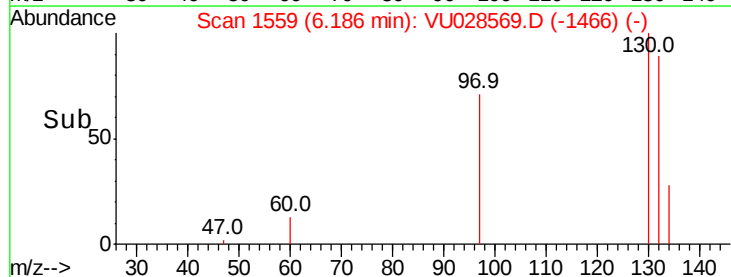
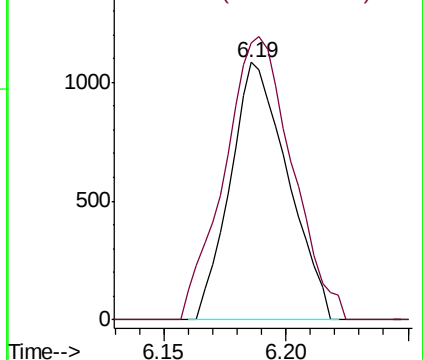
130 100

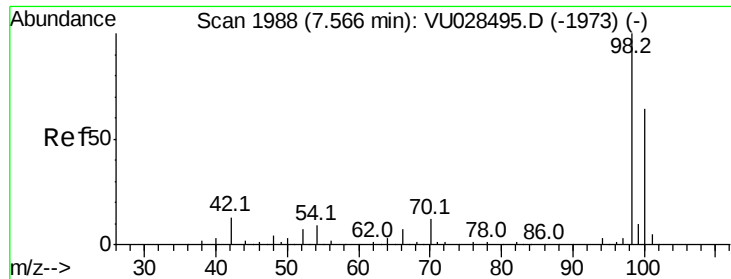
95 98.1 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#50

Toluene-d8

Concen: 53.168 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028569.D

Acq: 10 Dec 2018 22:25

Instrument :

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ClientSampleId :

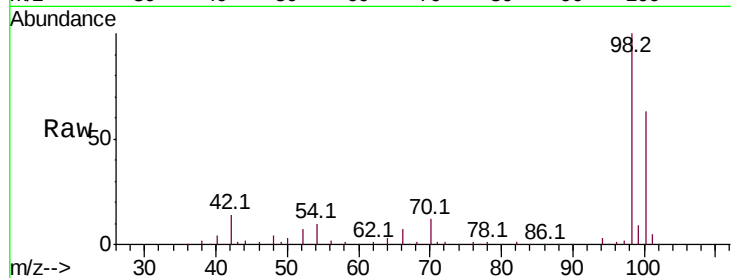
BP-TT-AOC22-MW08-20181207

Tot Ion: 98 Resp: 195532

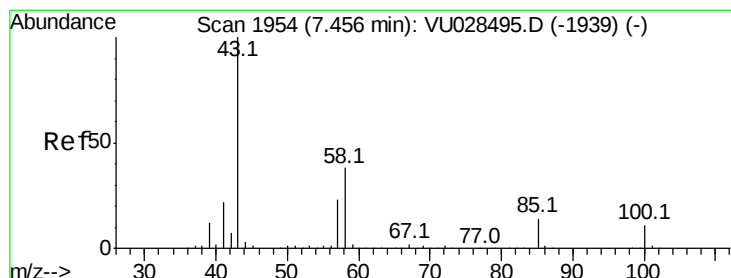
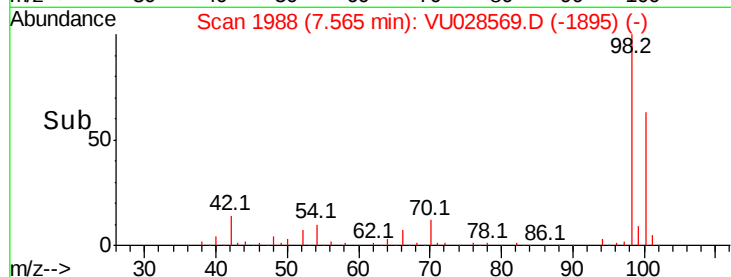
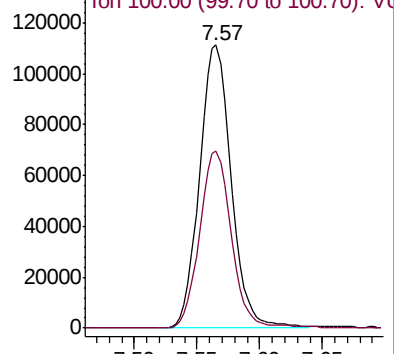
Ion Ratio Lower Upper

98 100

100 62.6 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU028495.D (-1973) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.483 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.11 min

Lab File: VU028569.D

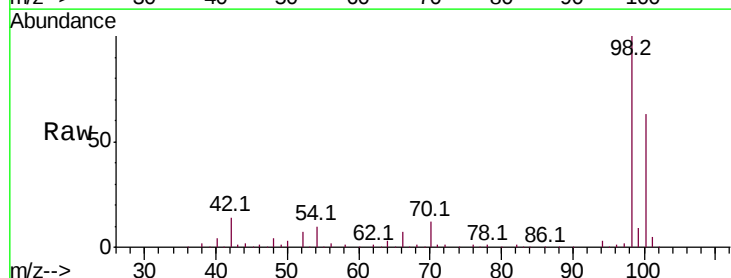
Acq: 10 Dec 2018 22:25

Tgt Ion: 43 Resp: 1007

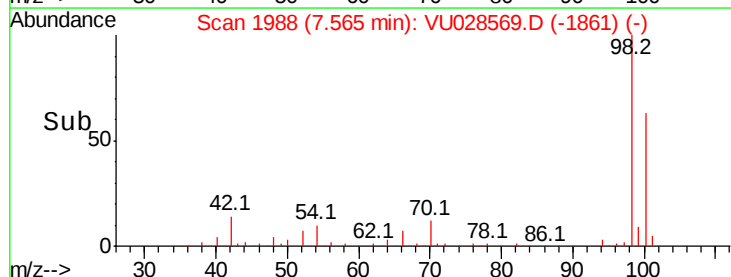
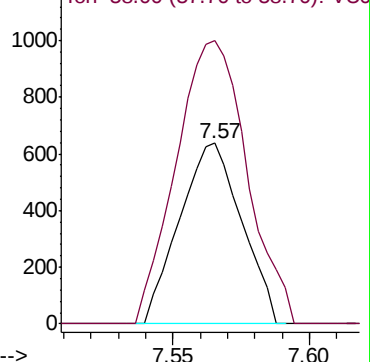
Ion Ratio Lower Upper

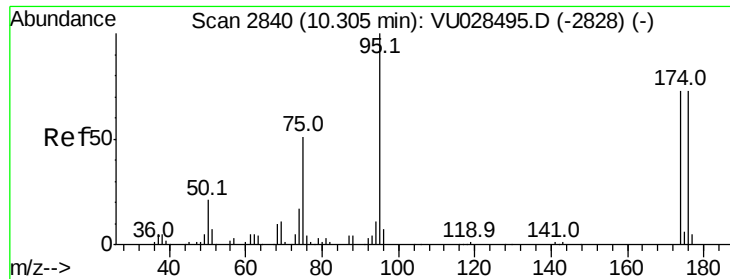
43 100

58 179.0 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1939) (-)





#62

4-Bromofluorobenzene

Concen: 46.720 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028569.D

Acq: 10 Dec 2018 22:25

Instrument :

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ClientSampleId :

BP-TT-AOC22-MW08-20181207

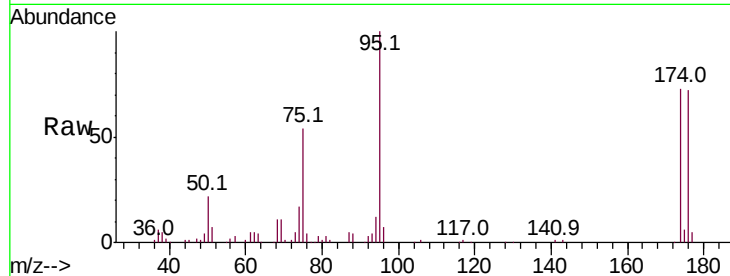
Tot Ion: 95 Resp: 64219

Ion Ratio Lower Upper

95 100

174 75.6 0.0 150.4

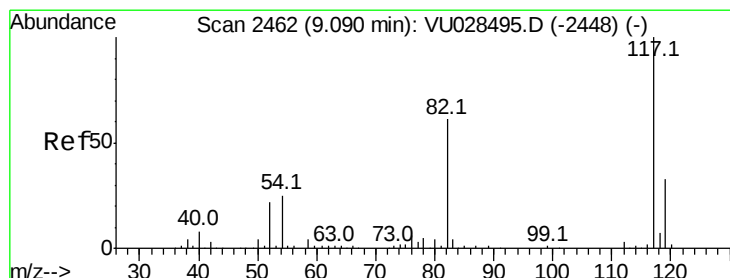
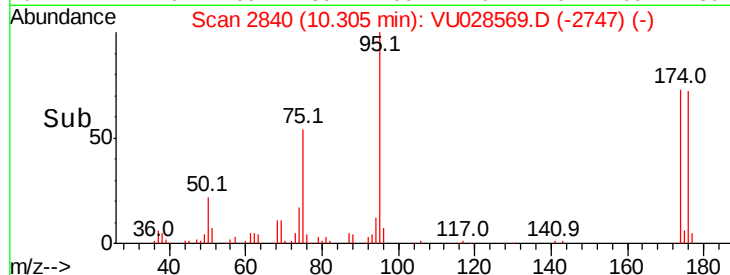
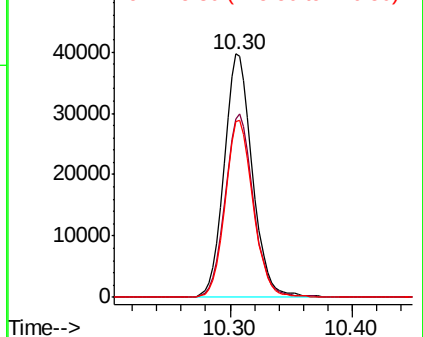
176 72.3 0.0 145.2



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# 2462

Delta R.T. -0.00 min

Lab File: VU028569.D

Acq: 10 Dec 2018 22:25

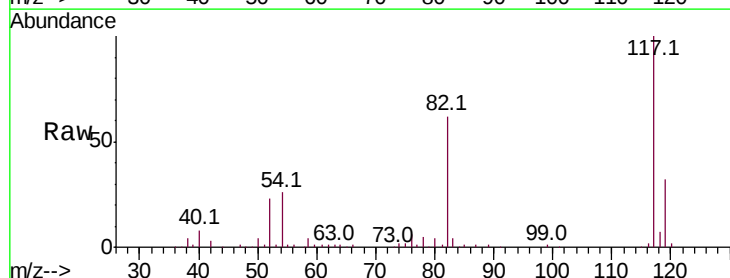
Tgt Ion: 117 Resp: 137403

Ion Ratio Lower Upper

117 100

82 62.1 48.9 73.3

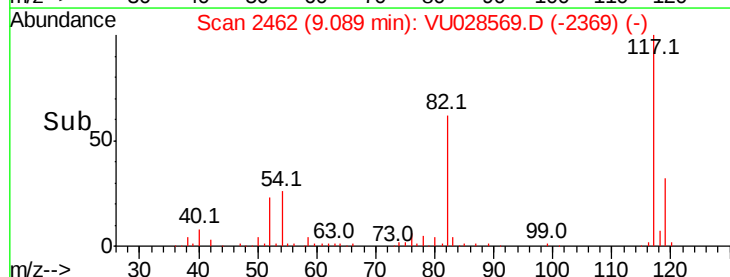
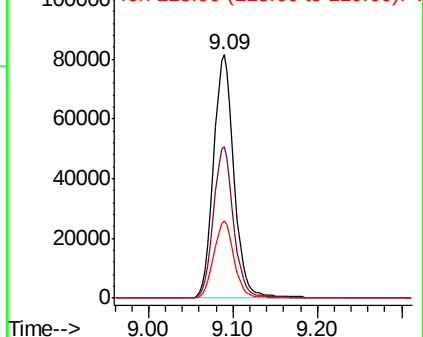
119 31.8 26.2 39.4

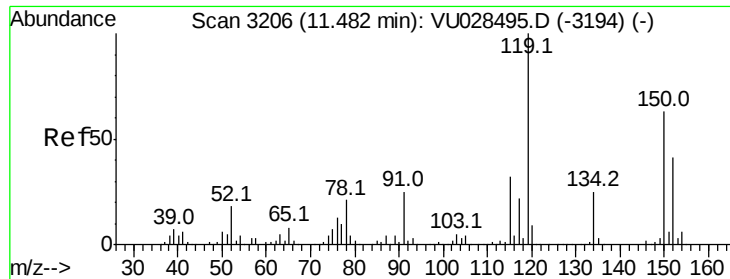


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028569.D

Acq: 10 Dec 2018 22:25

Instrument :

MSVOA_U

ClientSampleId :

BP-TT-AOC22-MW08-20181207

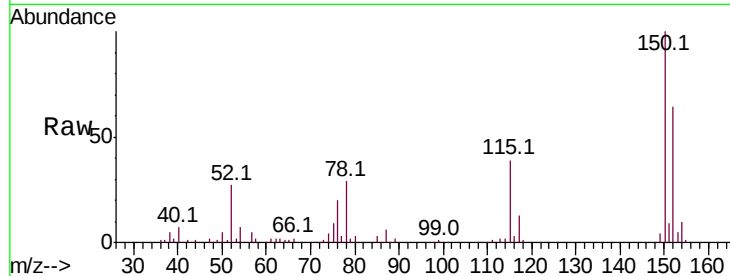
Tot Ion:152 Resp: 54224

Ion Ratio Lower Upper

152 100

115 60.7 42.7 128.1

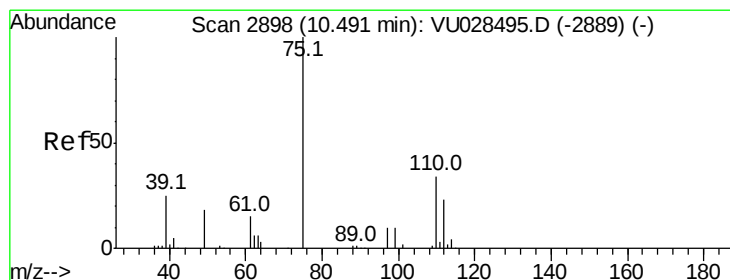
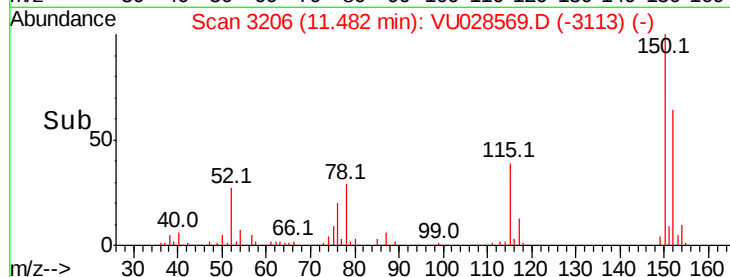
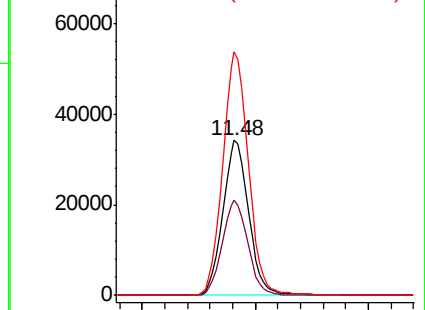
150 156.4 0.0 346.0



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: 24.516 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028569.D

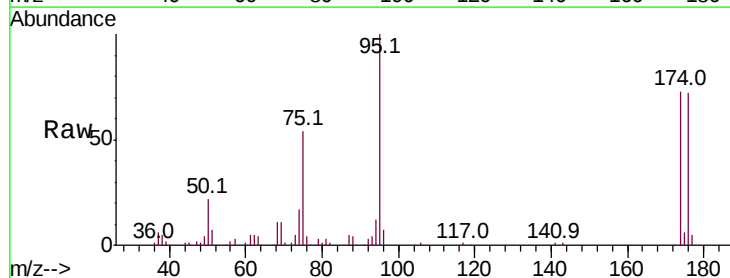
Acq: 10 Dec 2018 22:25

Tgt Ion: 75 Resp: 33945

Ion Ratio Lower Upper

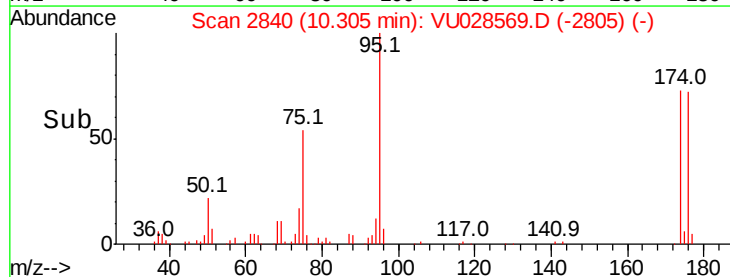
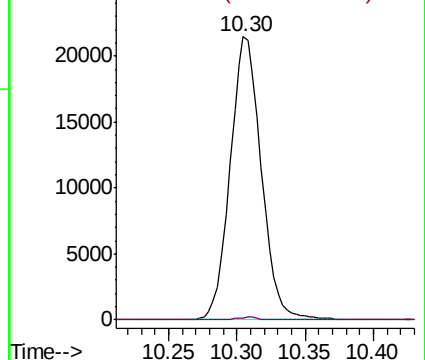
75 100

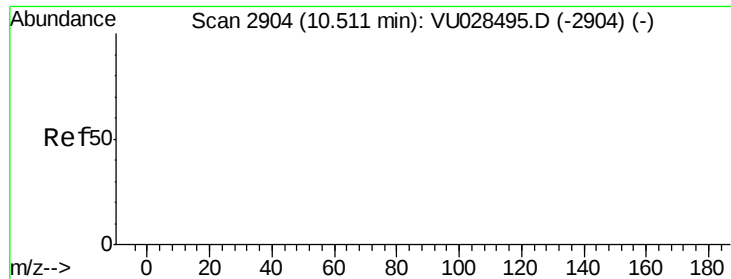
77 0.6 20.8 62.4#



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: 60.169 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.21 min
Lab File: VU028569.D
Acq: 10 Dec 2018 22:25

Instrument :
MSVOA_U
ClientSampleId :
BP-TT-AOC22-MW08-20181207

Tot Ion: 75 Resp: 33945
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

