

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\
 Data File : VU028583.D
 Acq On : 11 Dec 2018 04:52
 Operator : MD/SY
 Sample : J6335-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TT-AOC22-MW10-20181208

Quant Time: Dec 11 07:10:25 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	80669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	148250	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	132596	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	53752	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	69965	56.83	ug/l	0.00
Spiked Amount 50.000			Recovery =	113.66%		
35) Dibromofluoromethane	4.88	113	50134	53.74	ug/l	0.00
Spiked Amount 50.000			Recovery =	107.48%		
50) Toluene-d8	7.57	98	193615	52.46	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.92%		
62) 4-Bromofluorobenzene	10.30	95	63153	45.78	ug/l	0.00
Spiked Amount 50.000			Recovery =	91.56%		

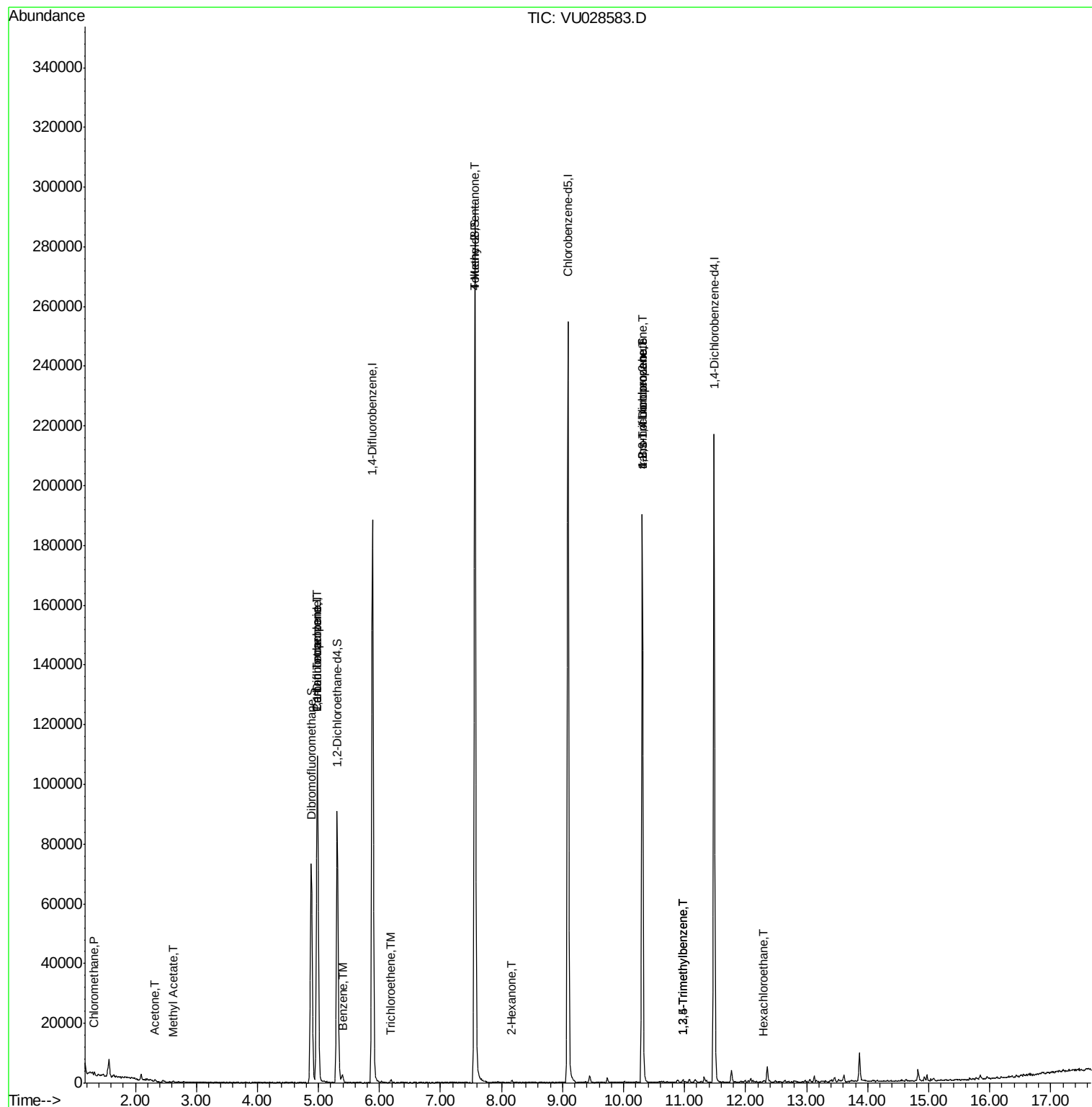
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1173	0.590	ug/l	91
16) Acetone	2.32	43	799	0.995	ug/l	96
18) Methyl Acetate	2.62	43	662	0.318	ug/l #	56
31) Cyclohexane	4.98	56	1986	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	6906	4.257	ug/l #	50
38) Carbon Tetrachloride	4.98	117	7822	5.982	ug/l #	15
40) Benzene	5.39	78	2682	0.561	ug/l #	90
44) Trichloroethene	6.19	130	294	0.277	ug/l	94
51) 4-Methyl-2-Pentanone	7.56	43	1105	0.528	ug/l #	1
59) 2-Hexanone	8.17	43	509	0.307	ug/l #	39
76) 1,2,3-Trichloropropane	10.31	75	33474	24.388	ug/l #	36
80) 1,3,5-Trimethylbenzene	10.97	105	904	0.265	ug/l	70
81) trans-1,4-Dichloro-2-buten	10.31	75	33474	59.857	ug/l #	100
84) 1,2,4-Trimethylbenzene	10.97	105	904	0.257	ug/l	74
90) Hexachloroethane	12.28	117	265	0.488	ug/l #	11

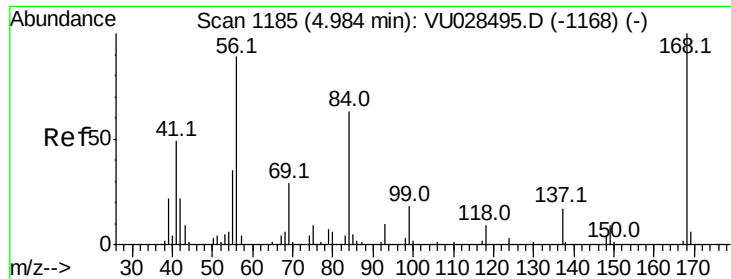
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121118\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028583.D

Acq: 11 Dec 2018 04:52

Instrument :

MSVOA_U

ClientSampleId :

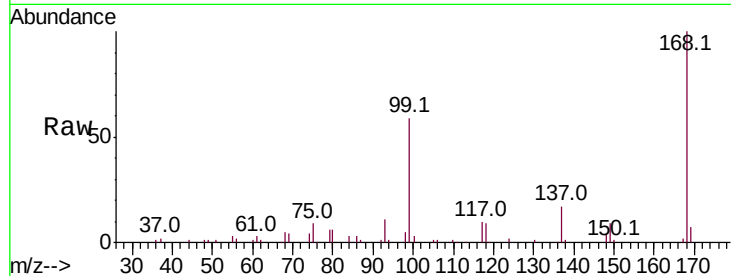
BP-TT-AOC22-MW10-20181208

Tot Ion:168 Resp: 80669

Ion Ratio Lower Upper

168 100

99 59.0 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

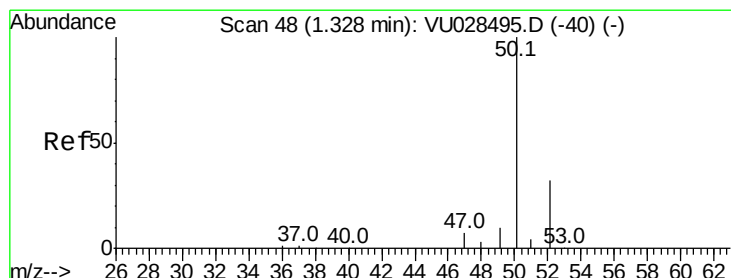
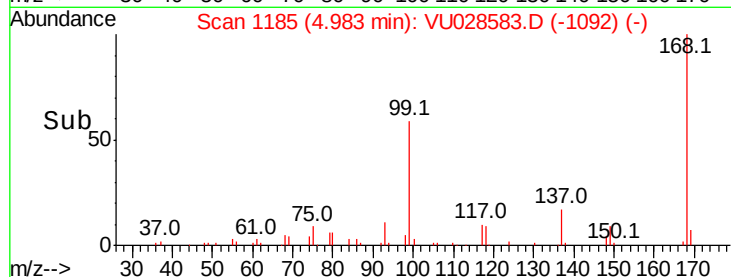
0

4.90

5.00

5.10

Time-->



#3

Chloromethane

Concen: 0.590 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028583.D

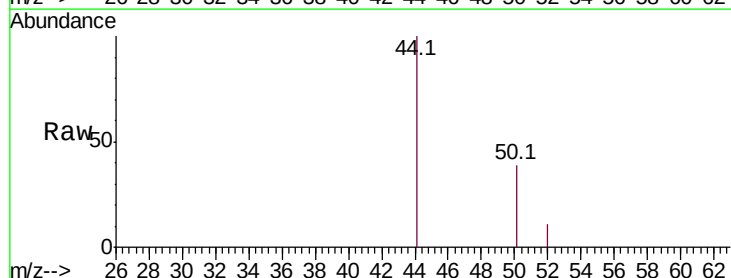
Acq: 11 Dec 2018 04:52

Tgt Ion: 50 Resp: 1173

Ion Ratio Lower Upper

50 100

52 26.7 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

400

200

0

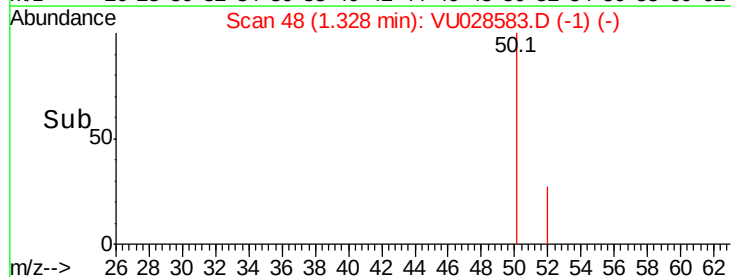
1.30

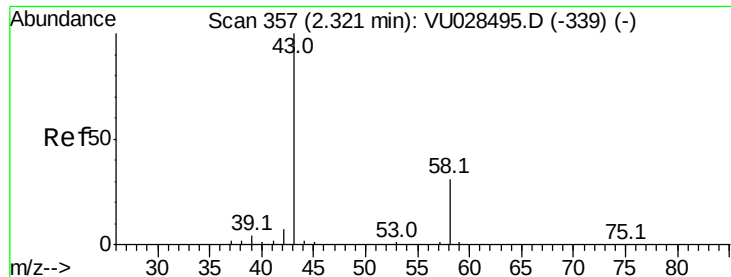
1.32

1.34

1.36

Time-->





#16

Acetone

Concen: 0.995 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028583.D

Acq: 11 Dec 2018 04:52

Instrument :

MSVOA_U

ClientSampleId :

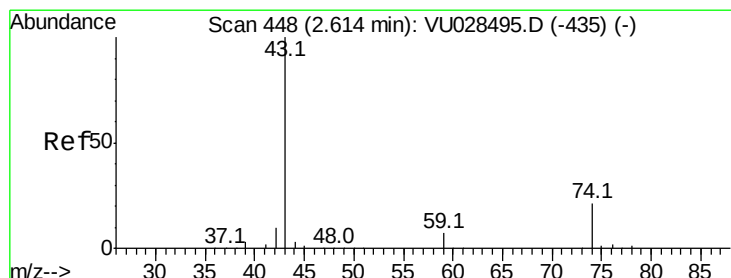
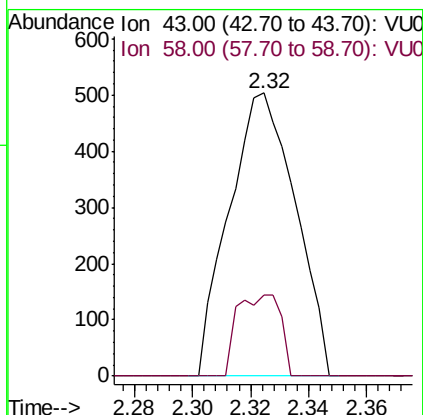
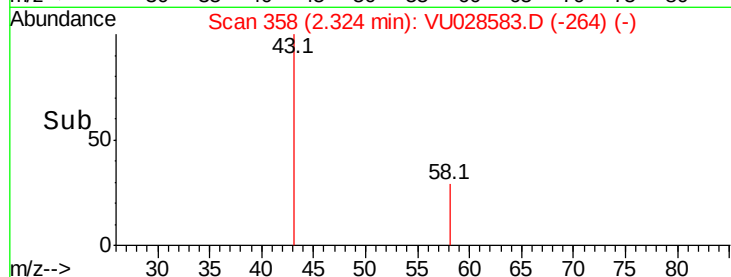
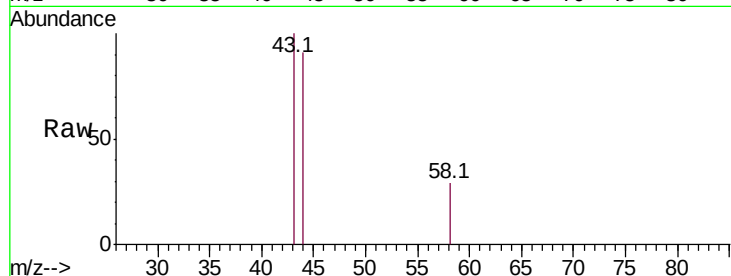
BP-TT-AOC22-MW10-20181208

Tot Ion: 43 Resp: 799

Ion Ratio Lower Upper

43 100

58 28.6 24.6 37.0



#18

Methyl Acetate

Concen: 0.318 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU028583.D

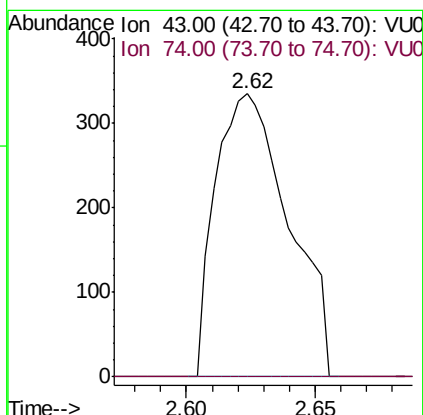
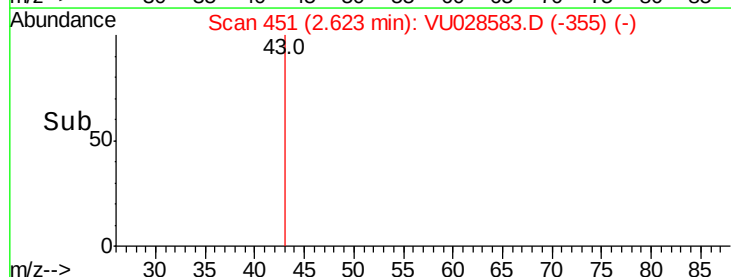
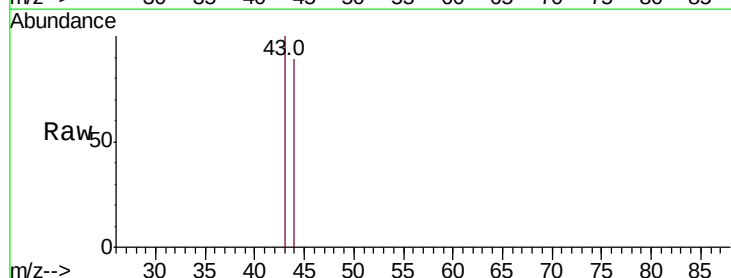
Acq: 11 Dec 2018 04:52

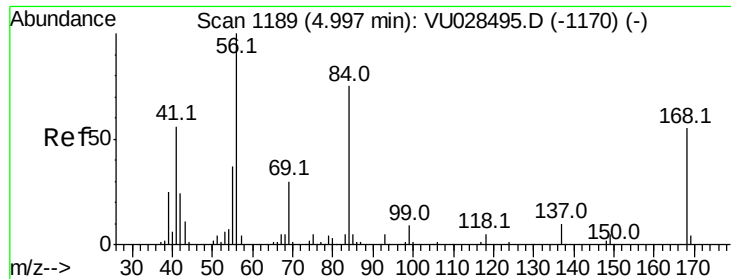
Tgt Ion: 43 Resp: 662

Ion Ratio Lower Upper

43 100

74 0.0 16.4 24.6#

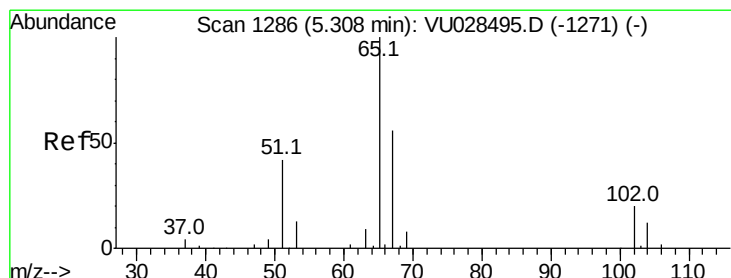
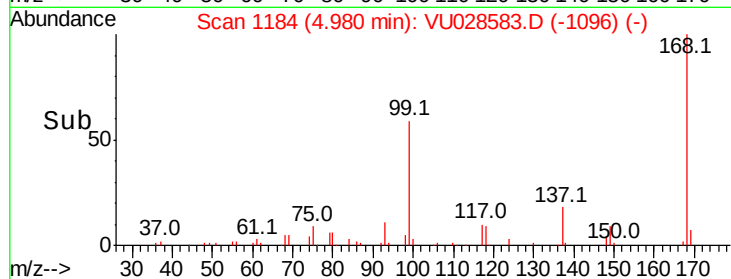
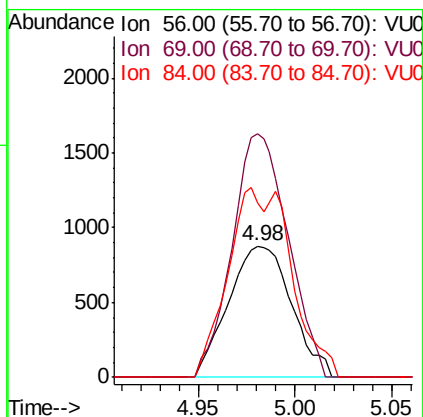
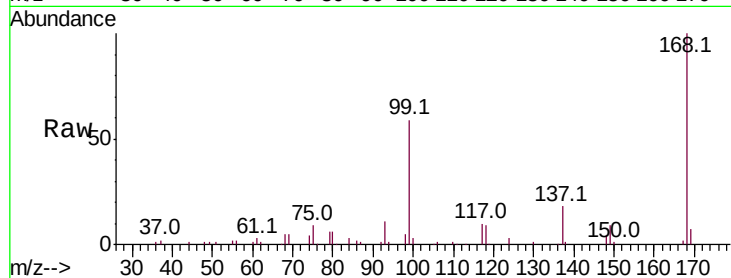




#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1184
Delta R.T. -0.02 min
Lab File: VU028583.D
Acq: 11 Dec 2018 04:52

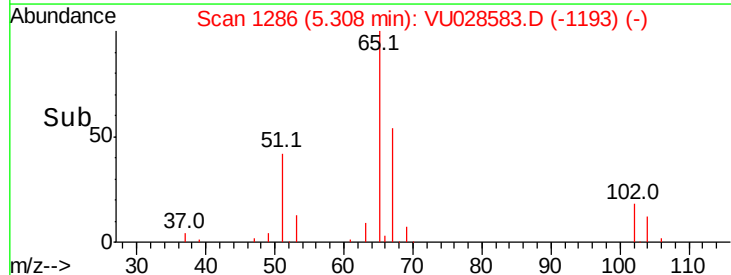
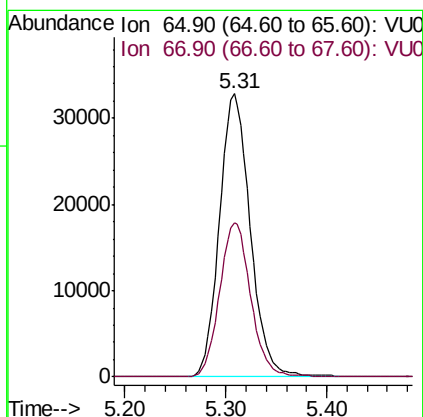
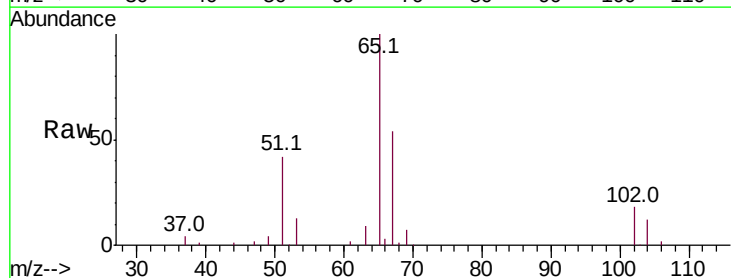
Instrument :
MSVOA_U
ClientSampleId :
BP-TT-AOC22-MW10-20181208

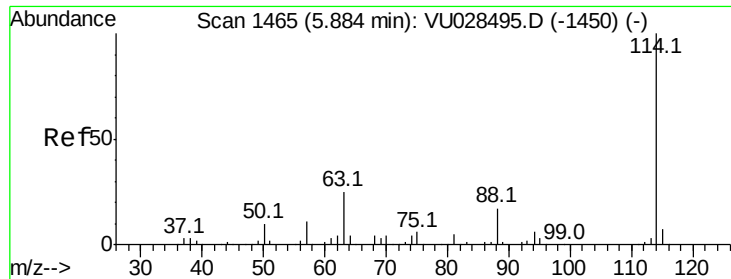
Tot Ion: 56 Resp: 1986
Ion Ratio Lower Upper
56 100
69 185.7 24.0 36.0#
84 133.6 59.7 89.5#



#33
1,2-Dichloroethane-d4
Concen: 56.833 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028583.D
Acq: 11 Dec 2018 04:52

Tgt Ion: 65 Resp: 69965
Ion Ratio Lower Upper
65 100
67 54.9 0.0 110.6

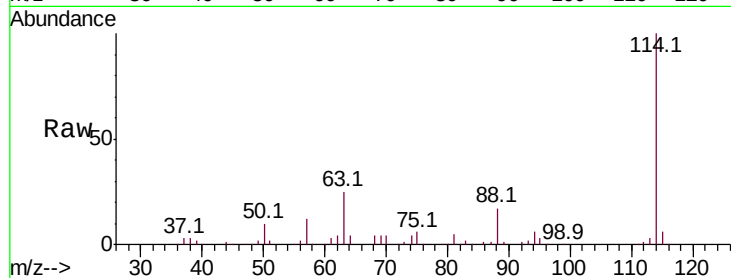




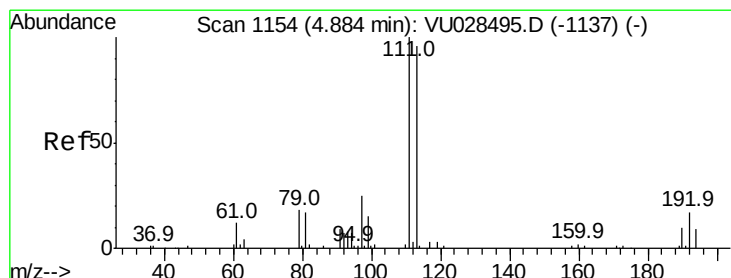
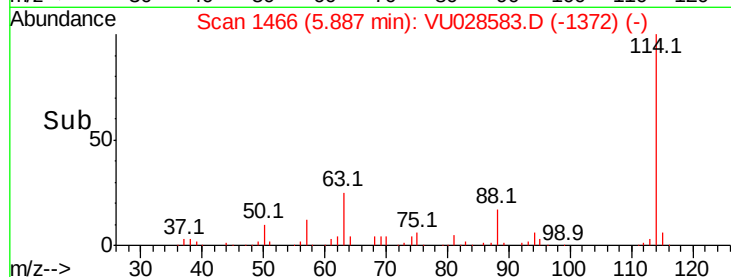
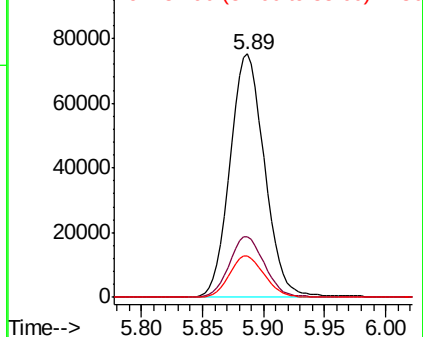
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028583.D
 Acq: 11 Dec 2018 04:52

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TT-AOC22-MW10-20181208

Tot Ion:114 Resp: 148250
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 49.2
 88 17.2 0.0 33.4

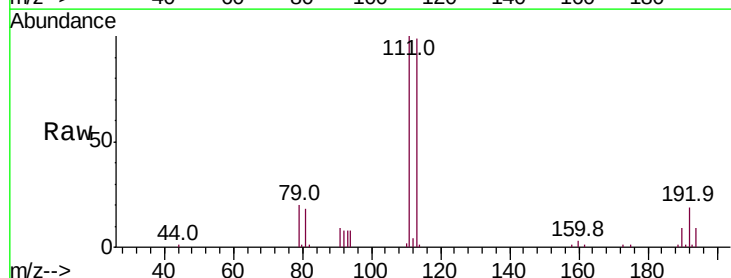


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

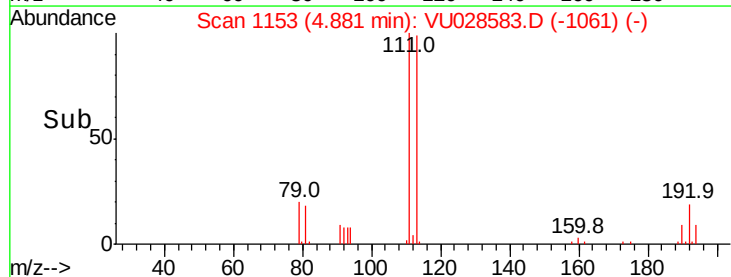
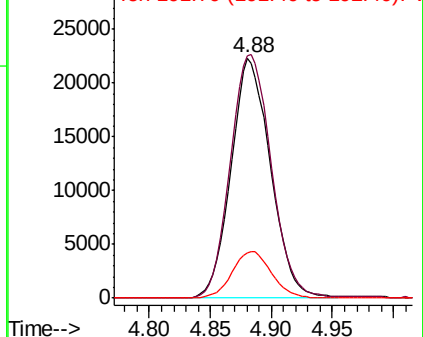


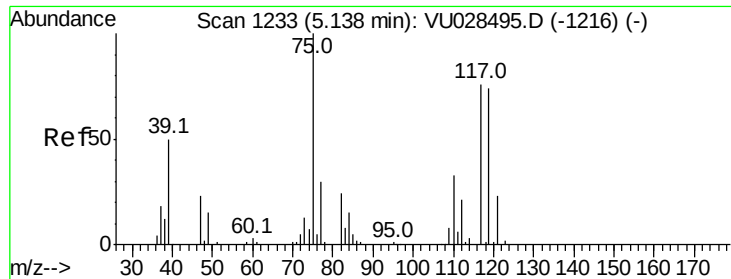
#35
 Dibromofluoromethane
 Concen: 53.737 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028583.D
 Acq: 11 Dec 2018 04:52

Tgt Ion:113 Resp: 50134
 Ion Ratio Lower Upper
 113 100
 111 105.4 83.4 125.0
 192 19.2 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: 4.257 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028583.D

Acq: 11 Dec 2018 04:52

Instrument :

MSVOA_U

ClientSampleId :

BP-TT-AOC22-MW10-20181208

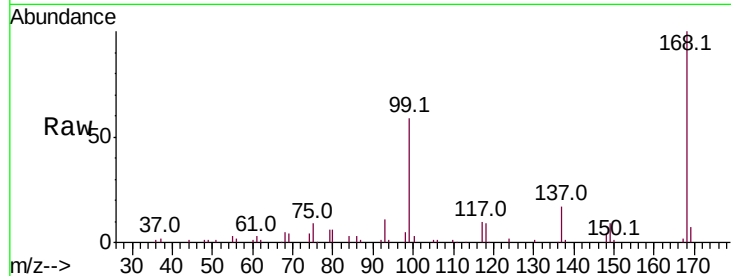
Tot Ion: 75 Resp: 6906

Ion Ratio Lower Upper

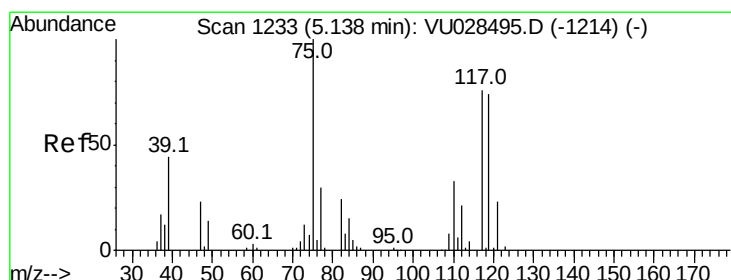
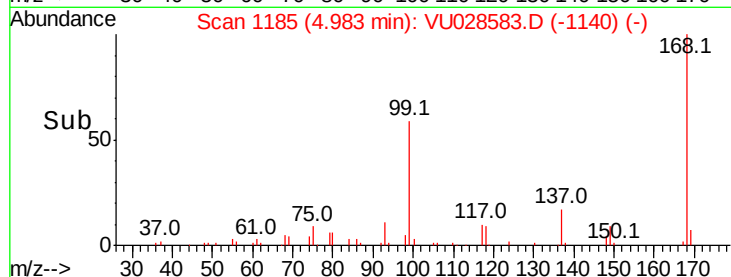
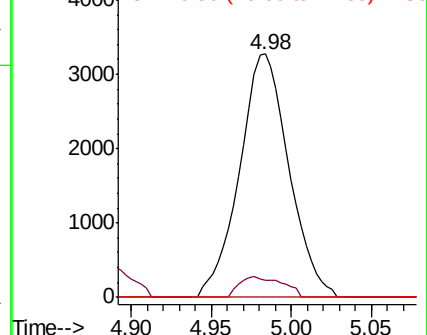
75 100

110 7.4 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: 5.982 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028583.D

Acq: 11 Dec 2018 04:52

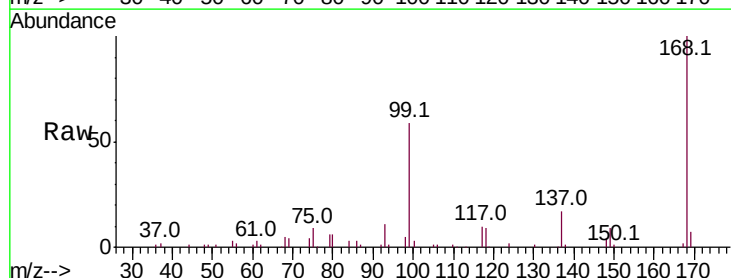
Tgt Ion: 117 Resp: 7822

Ion Ratio Lower Upper

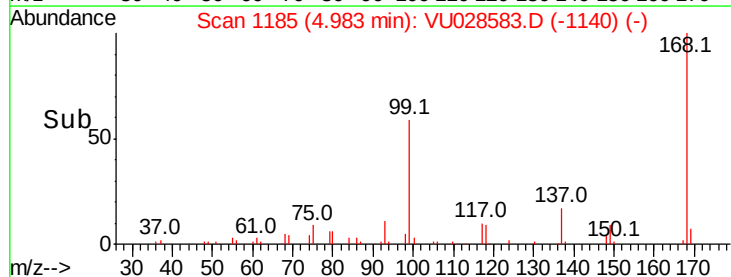
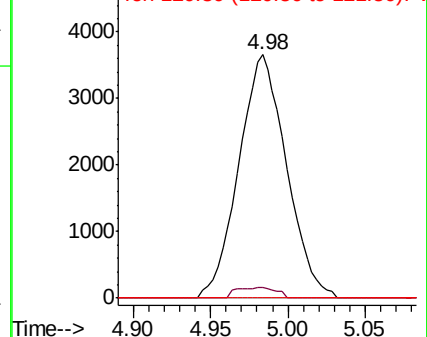
117 100

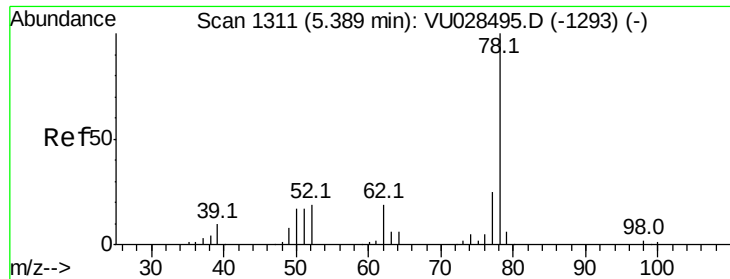
119 4.2 77.6 116.4#

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





#40

Benzene

Concen: 0.561 ug/l

RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU028583.D

Acq: 11 Dec 2018 04:52

Instrument :

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ClientSampleId :

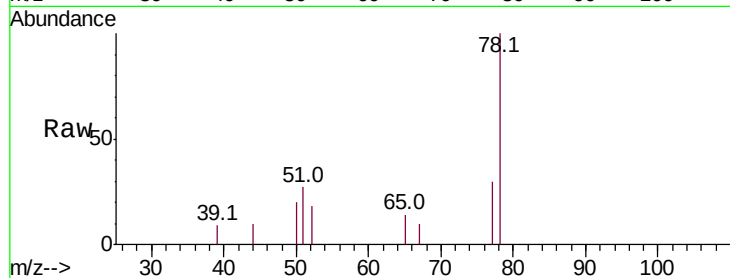
BP-TT-AOC22-MW10-20181208

Tot Ion: 78 Resp: 2682

Ion Ratio Lower Upper

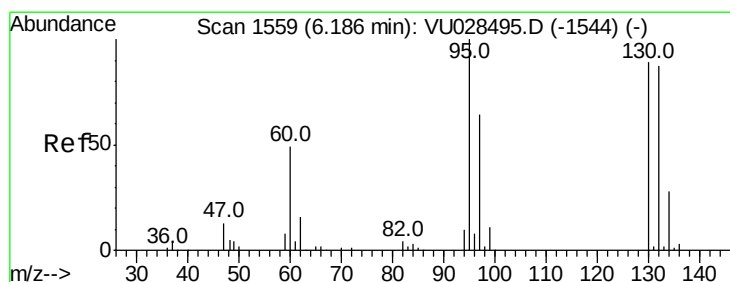
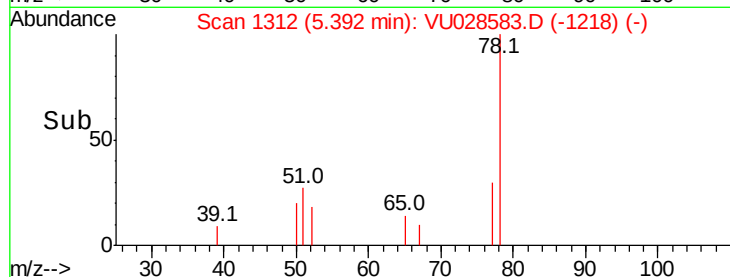
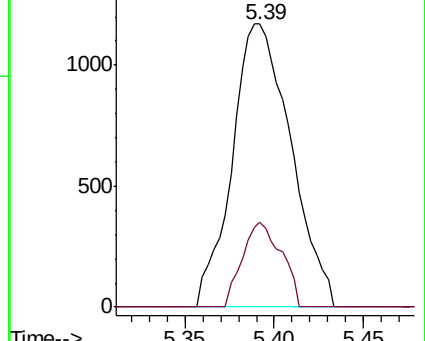
78 100

77 30.0 19.9 29.9#



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#44

Trichloroethene

Concen: 0.277 ug/l

RT: 6.19 min Scan# 1561

Delta R.T. 0.01 min

Lab File: VU028583.D

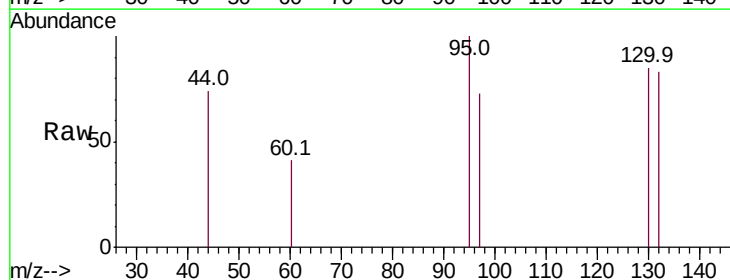
Acq: 11 Dec 2018 04:52

Tgt Ion:130 Resp: 294

Ion Ratio Lower Upper

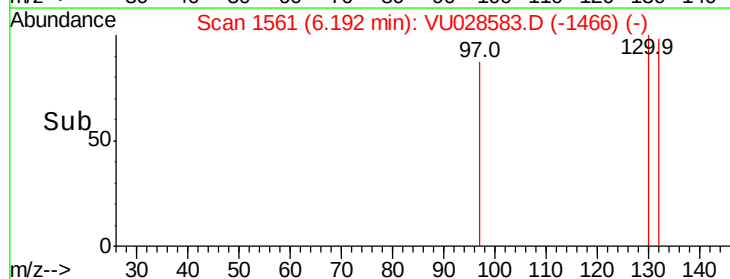
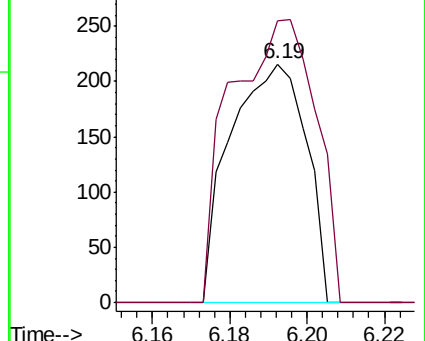
130 100

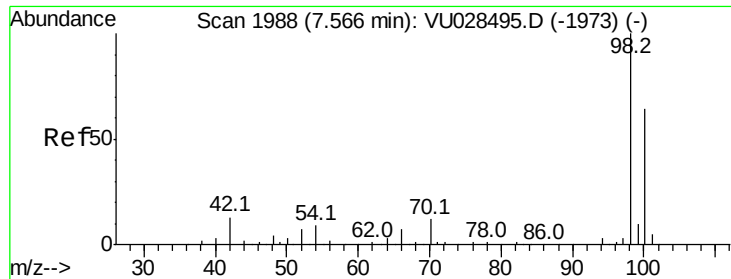
95 118.1 0.0 224.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#50

Toluene-d8

Concen: 52.462 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028583.D

Acq: 11 Dec 2018 04:52

Instrument :

MSVOA_U

ClientSampleId :

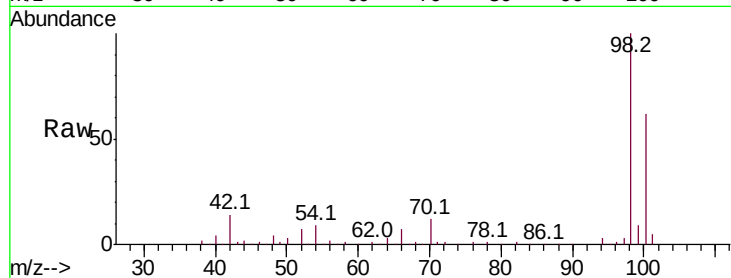
BP-TT-AOC22-MW10-20181208

Tot Ion: 98 Resp: 193615

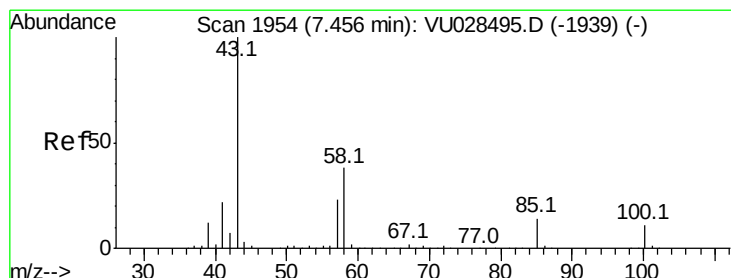
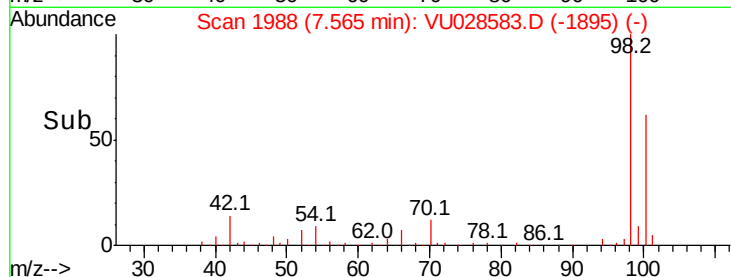
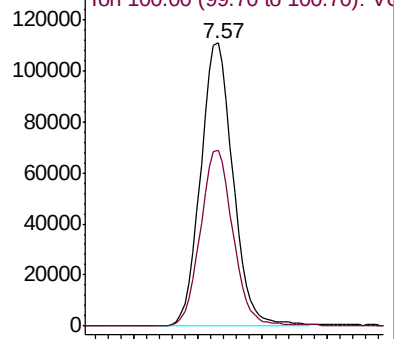
Ion Ratio Lower Upper

98 100

100 62.8 51.0 76.6



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



#51

4-Methyl-2-Pentanone

Concen: 0.528 ug/l

RT: 7.56 min Scan# 1986

Delta R.T. 0.10 min

Lab File: VU028583.D

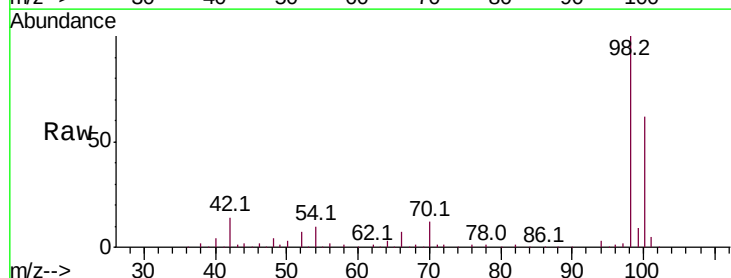
Acq: 11 Dec 2018 04:52

Tgt Ion: 43 Resp: 1105

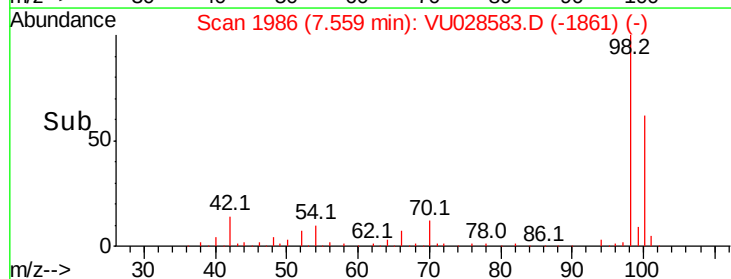
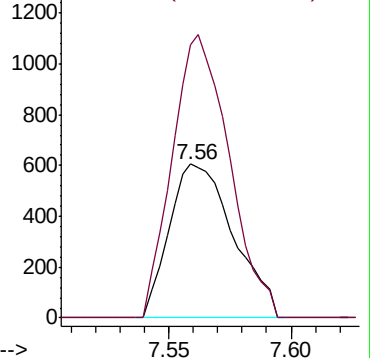
Ion Ratio Lower Upper

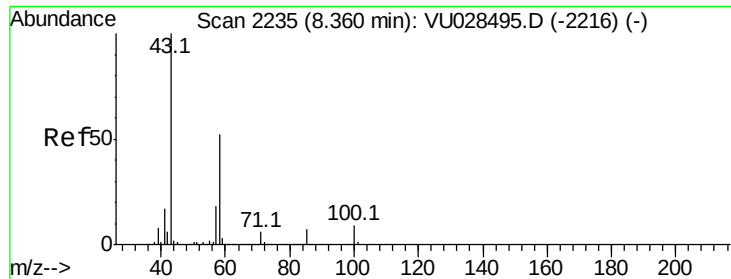
43 100

58 163.6 30.2 45.2#



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

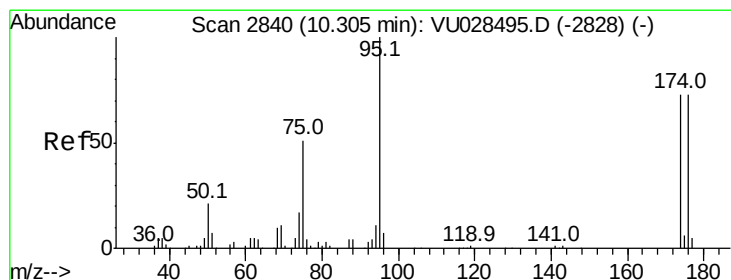
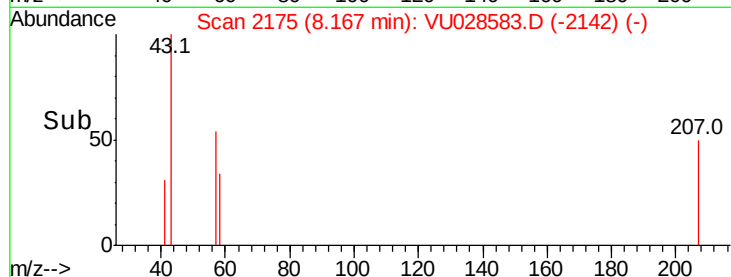
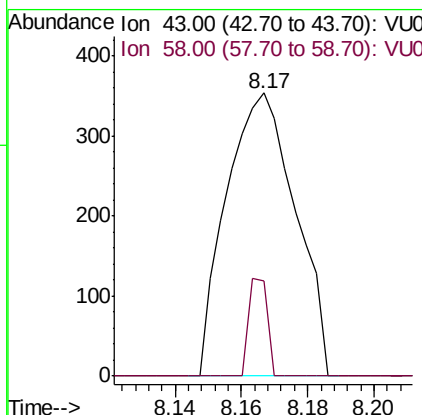
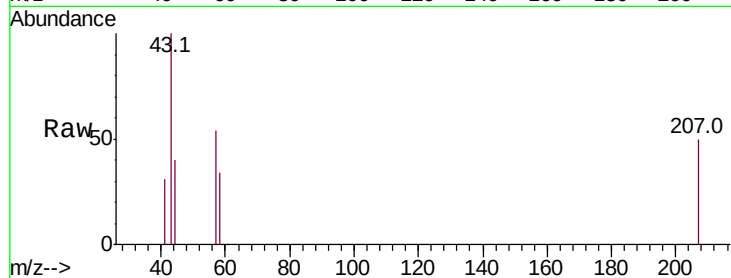




#59
2-Hexanone
Concen: 0.307 ug/l
RT: 8.17 min Scan# 2175
Delta R.T. -0.19 min
Lab File: VU028583.D
Acq: 11 Dec 2018 04:52

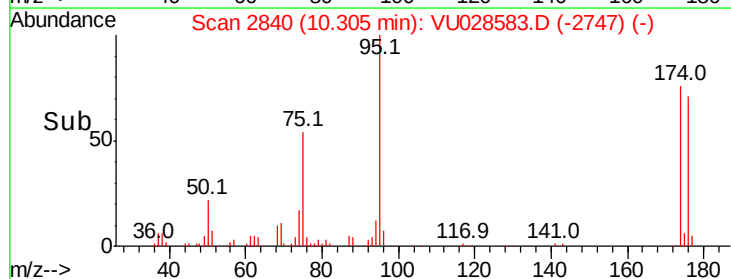
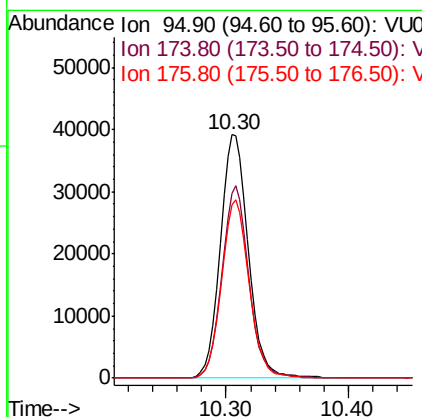
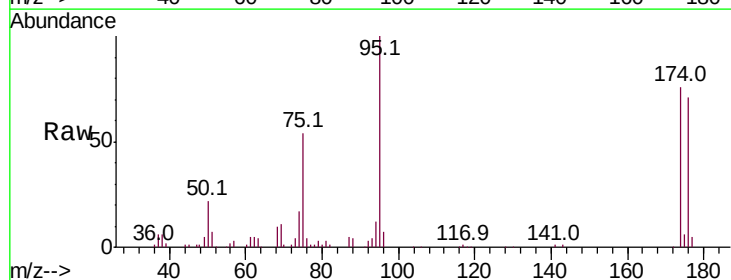
Instrument :
MSVOA_U
ClientSampleId :
BP-TT-AOC22-MW10-20181208

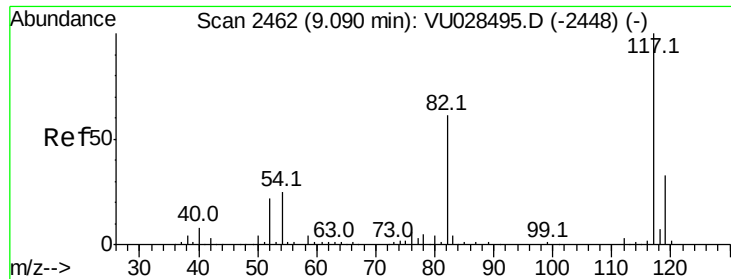
Tot Ion: 43 Resp: 509
Ion Ratio Lower Upper
43 100
58 9.2 25.9 77.6#



#62
4-Bromofluorobenzene
Concen: 45.783 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU028583.D
Acq: 11 Dec 2018 04:52

Tgt Ion: 95 Resp: 63153
Ion Ratio Lower Upper
95 100
174 76.2 0.0 150.4
176 72.2 0.0 145.2

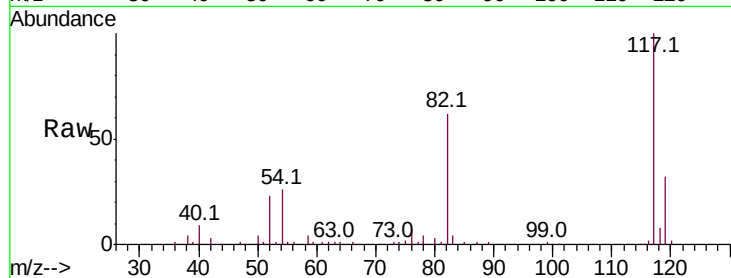




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028583.D
Acq: 11 Dec 2018 04:52

Instrument :
MSVOA_U
ClientSampleId :
BP-TT-AOC22-MW10-20181208

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.1	48.9	73.3
119	31.6	26.2	39.4

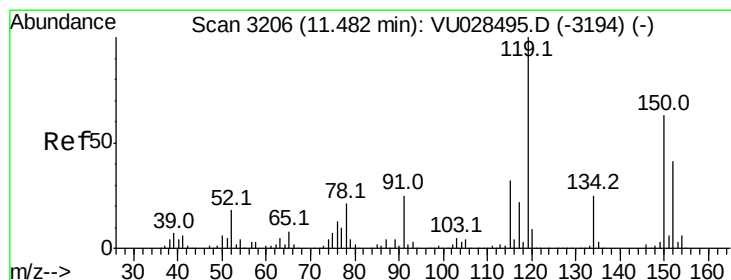
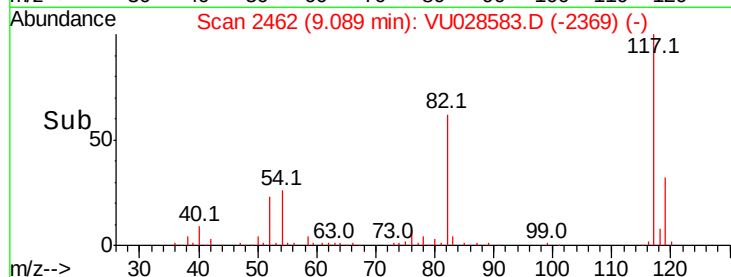
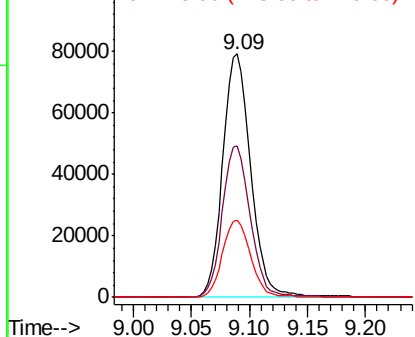


Abundance

Ion 116.90 (116.60 to 117.60): V

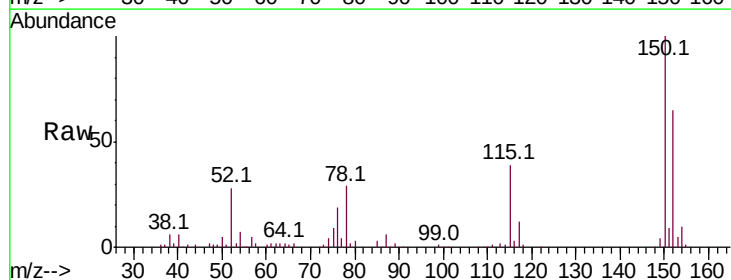
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028583.D
Acq: 11 Dec 2018 04:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	42.7	128.1
150	152.7	0.0	346.0

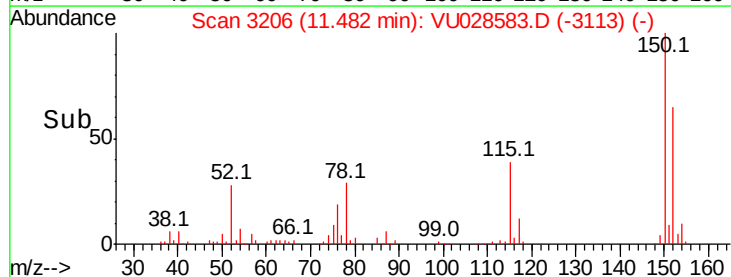
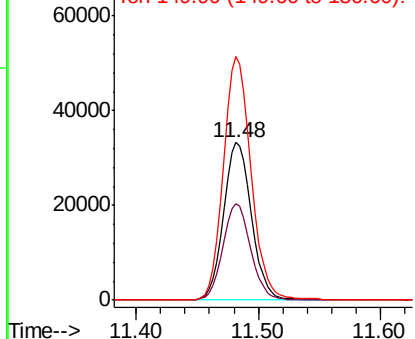


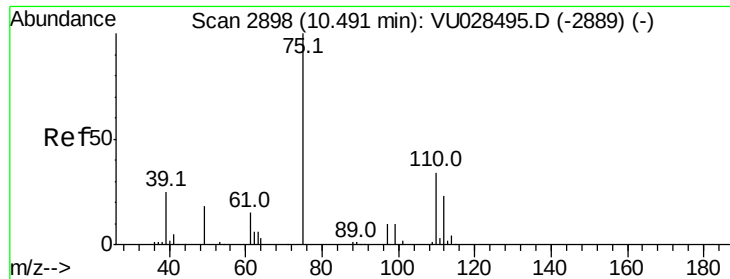
Abundance

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

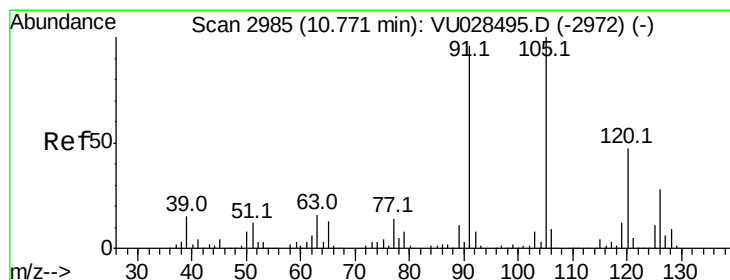
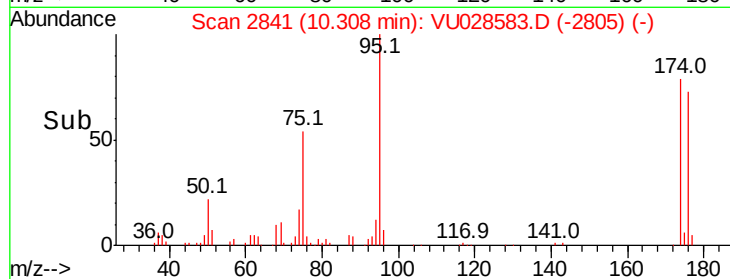
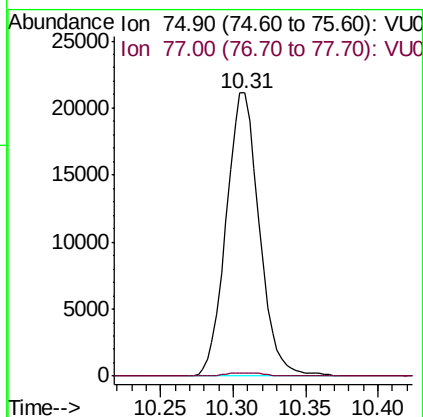
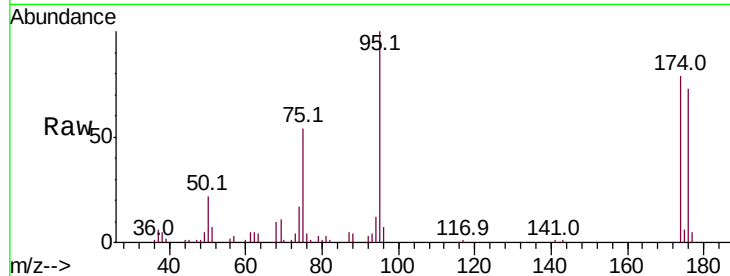




#76
 1,2,3-Trichloropropane
 Concen: 24.388 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.18 min
 Lab File: VU028583.D
 Acq: 11 Dec 2018 04:52

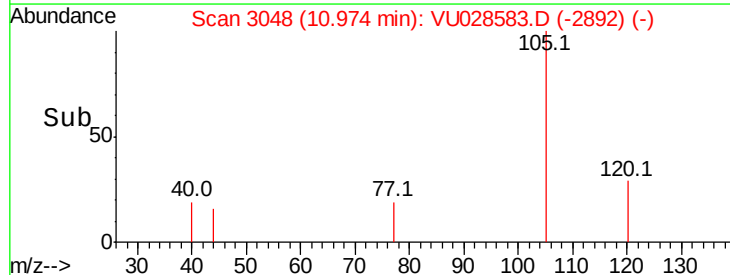
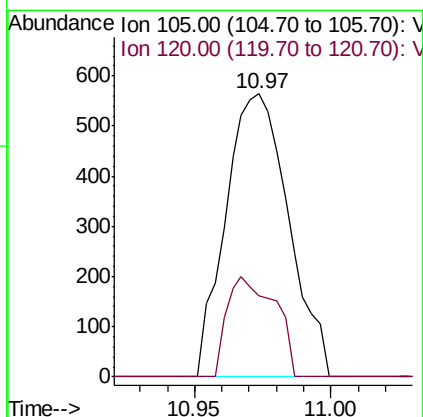
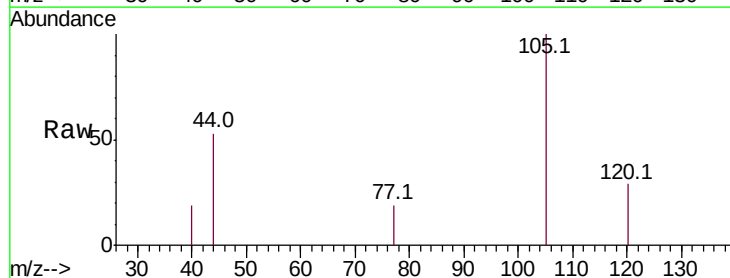
Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TT-AOC22-MW10-20181208

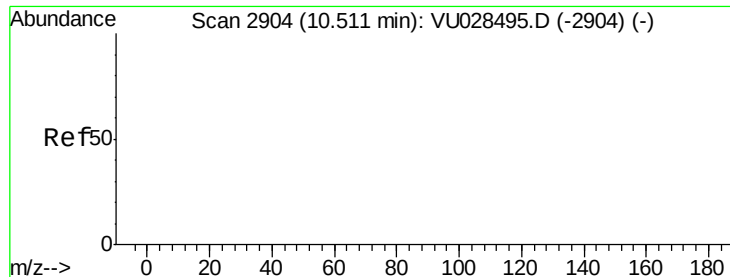
Tot Ion: 75 Resp: 33474
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.8 62.4#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.265 ug/l
 RT: 10.97 min Scan# 3048
 Delta R.T. 0.20 min
 Lab File: VU028583.D
 Acq: 11 Dec 2018 04:52

Tgt Ion: 105 Resp: 904
 Ion Ratio Lower Upper
 105 100
 120 27.0 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 59.857 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU028583.D

Acq: 11 Dec 2018 04:52

Instrument :

MSVOA_U

ClientSampleId :

BP-TT-AOC22-MW10-20181208

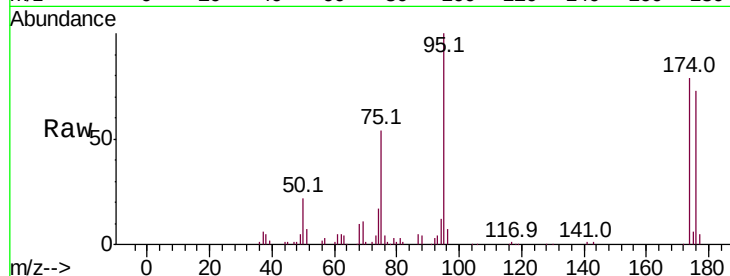
Tot Ion: 75 Resp: 33474

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

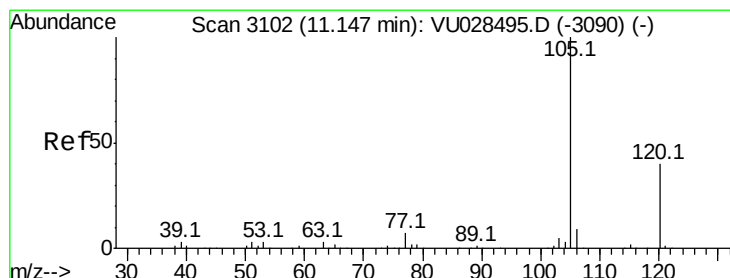
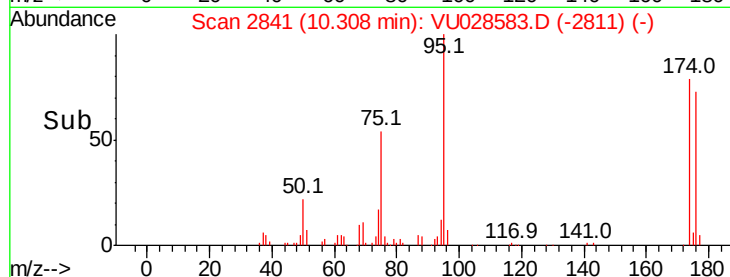
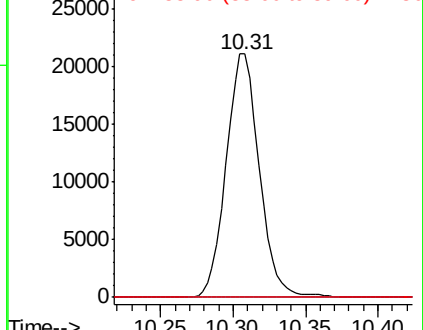
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU028495.D (-2904) (-)

Ion 53.00 (52.70 to 53.70): VU028495.D (-2904) (-)

Ion 88.90 (88.60 to 89.60): VU028495.D (-2904) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.257 ug/l

RT: 10.97 min Scan# 3048

Delta R.T. -0.17 min

Lab File: VU028583.D

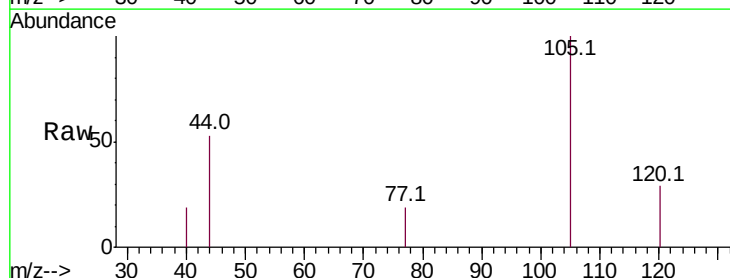
Acq: 11 Dec 2018 04:52

Tgt Ion: 105 Resp: 904

Ion Ratio Lower Upper

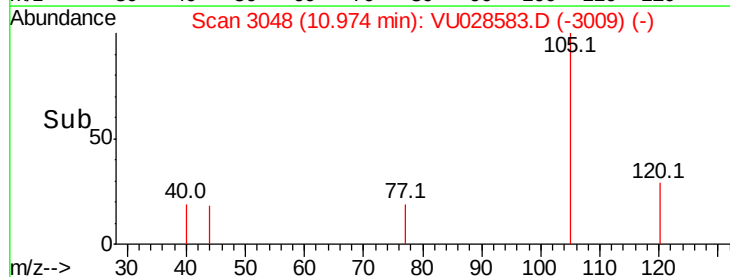
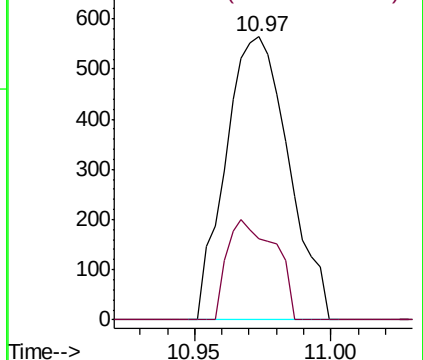
105 100

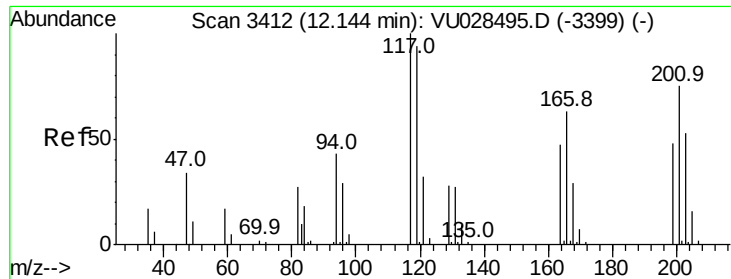
120 27.0 21.8 65.4



Abundance Ion 105.00 (104.70 to 105.70): VU028495.D (-3090) (-)

Ion 120.00 (119.70 to 120.70): VU028495.D (-3090) (-)





#90

Hexachloroethane

Concen: 0.488 ug/l

RT: 12.28 min Scan# 3455

Delta R.T. 0.14 min

Lab File: VU028583.D

Acq: 11 Dec 2018 04:52

Instrument :

MSVOA_U

ClientSampleId :

BP-TT-AOC22-MW10-20181208

Tot Ion:117 Resp: 265

Ion Ratio Lower Upper

117 100

201 0.0 38.1 114.5#

