

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091219\
 Data File : VU034528.D
 Acq On : 12 Sep 2019 18:23
 Operator : JC/SP
 Sample : K4756-20
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-GMW-5S-R-M27W1-090519

Quant Time: Sep 13 08:02:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

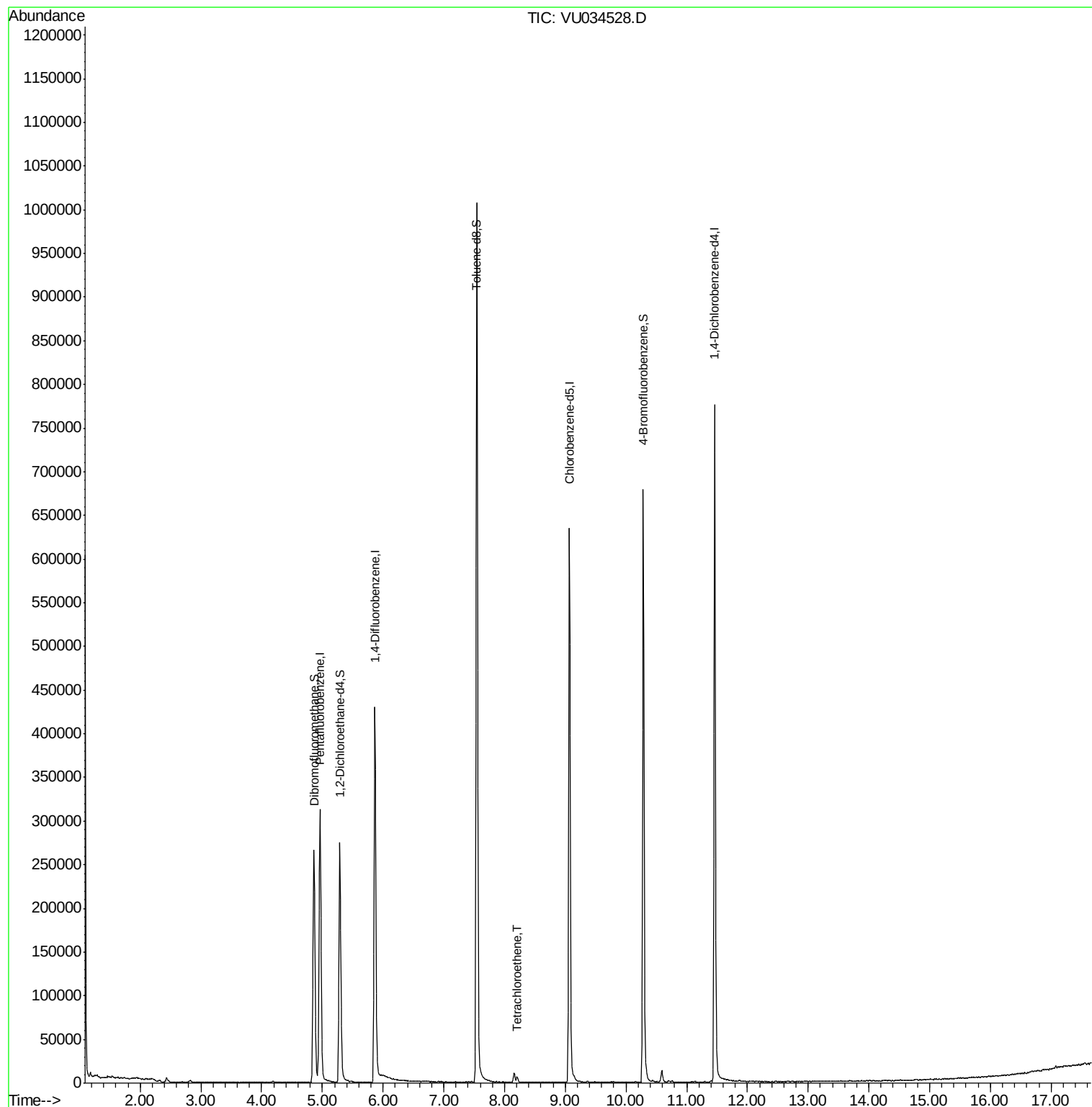
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	254960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	384858	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	393571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	226604	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	221431	57.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.80%	
35) Dibromofluoromethane	4.86	113	190555	53.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.42%	
50) Toluene-d8	7.54	98	706742	52.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.06%	
62) 4-Bromofluorobenzene	10.29	95	237327	45.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.38%	
Target Compounds						
64) Tetrachloroethene	8.21	164	1553	0.455	ug/l #	89

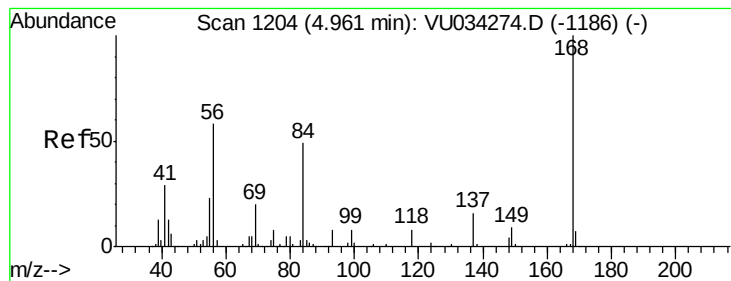
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

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ClientSampleId :

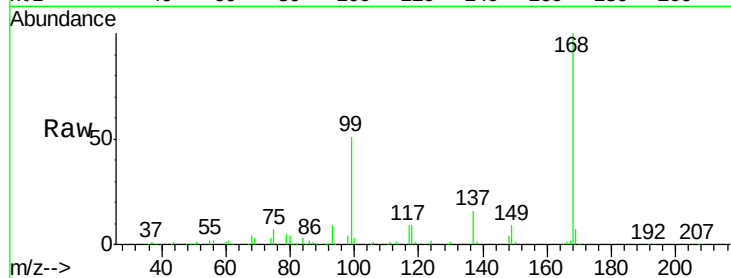
CPA-GMW-5S-R-M27W1-090519

Tot Ion:168 Resp: 254960

Ion Ratio Lower Upper

168 100

99 51.4 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1186) (-)

4.96

120000

100000

80000

60000

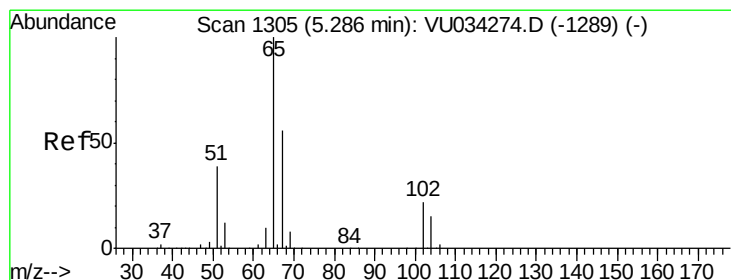
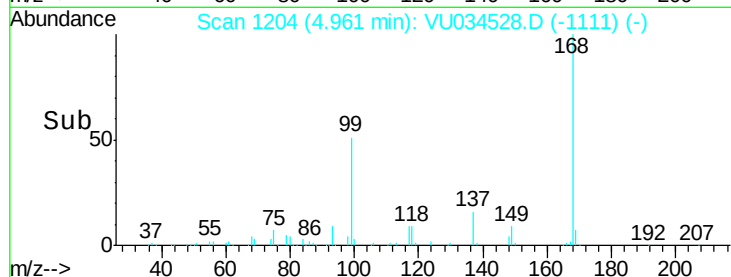
40000

20000

0

4.90 5.00

Time-->



#33

1,2-Dichloroethane-d4

Concen: 57.401 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034528.D

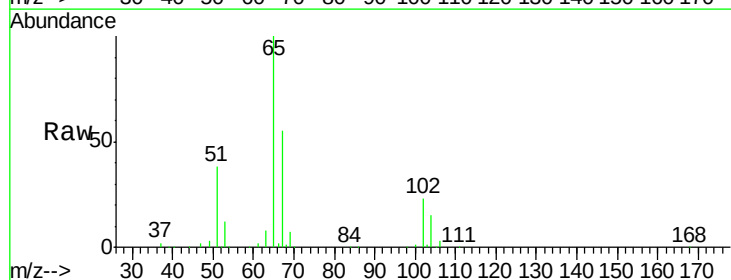
Acq: 12 Sep 2019 18:23

Tgt Ion: 65 Resp: 221431

Ion Ratio Lower Upper

65 100

67 54.7 0.0 112.4



Abundance Ion 64.90 (64.60 to 65.60): VU034274.D (-1289) (-)

Ion 66.90 (66.60 to 67.60): VU034274.D (-1289) (-)

5.29

100000

80000

60000

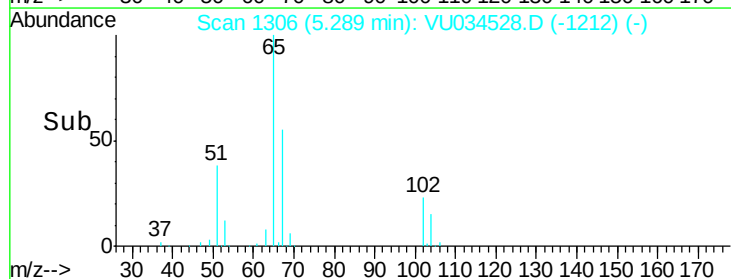
40000

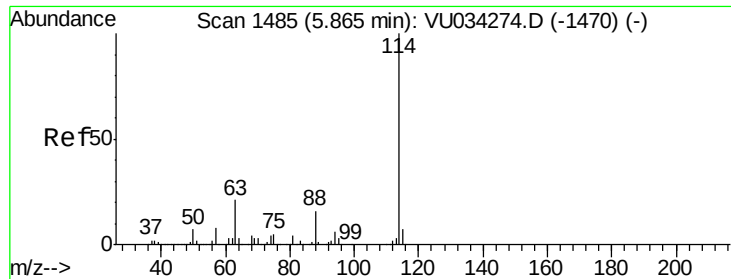
20000

0

5.20 5.30 5.40

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.87 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VU034528.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_U

ClientSampleId :

CPA-GMW-5S-R-M27W1-090519

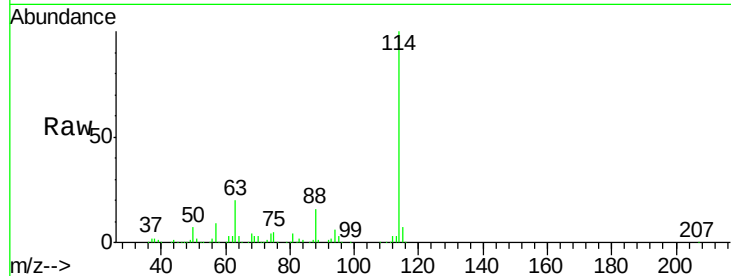
Tot Ion:114 Resp: 384858

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

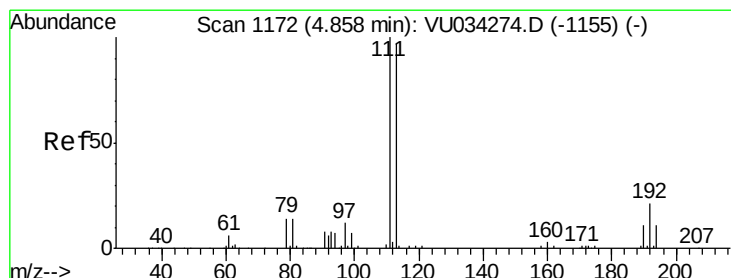
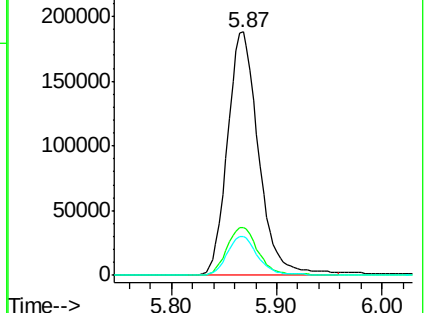
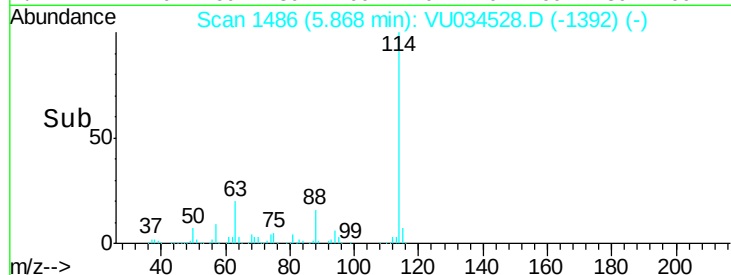
88 16.2 0.0 32.4



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: 53.211 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034528.D

Acq: 12 Sep 2019 18:23

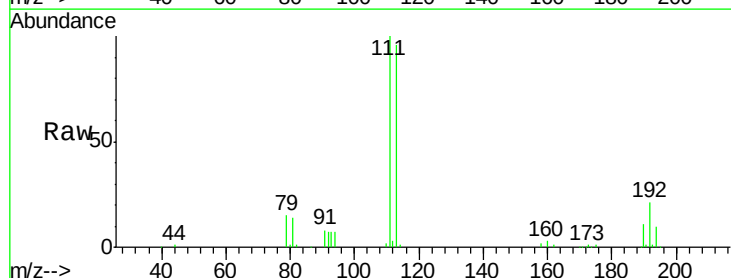
Tgt Ion:113 Resp: 190555

Ion Ratio Lower Upper

113 100

111 102.5 81.5 122.3

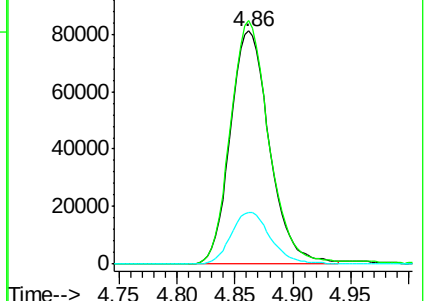
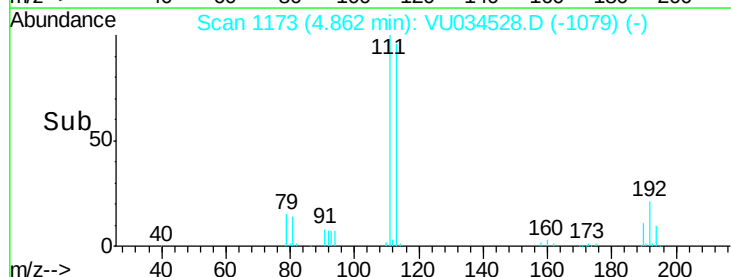
192 22.5 17.8 26.8

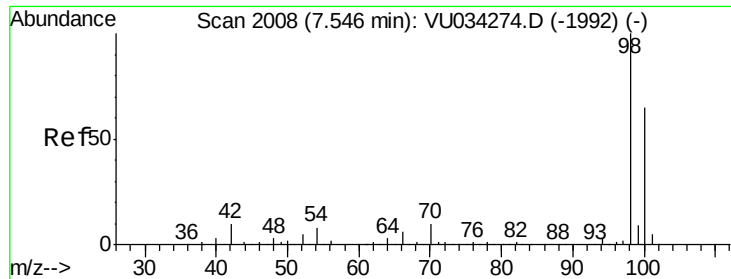


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

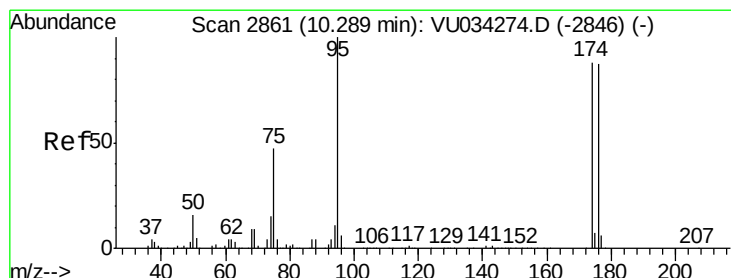
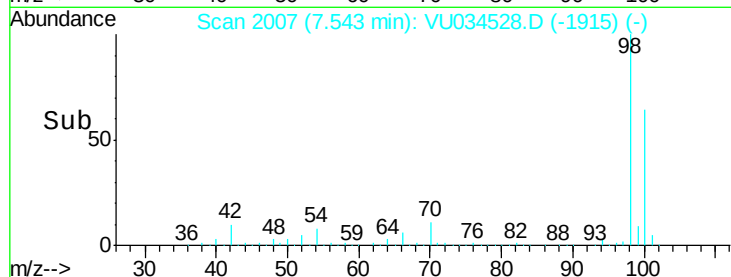
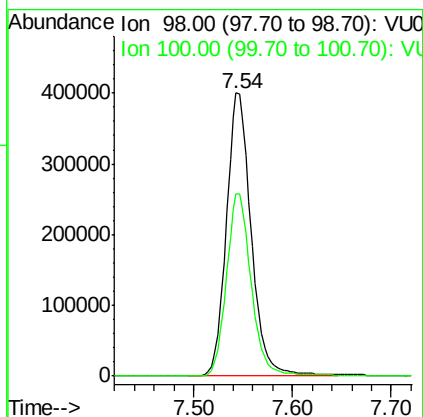
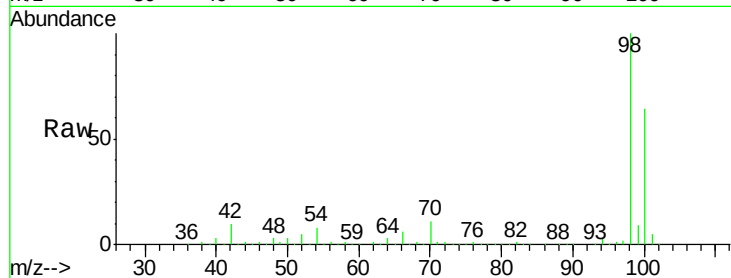




#50
Toluene-d8
Concen: 52.529 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034528.D
Acq: 12 Sep 2019 18:23

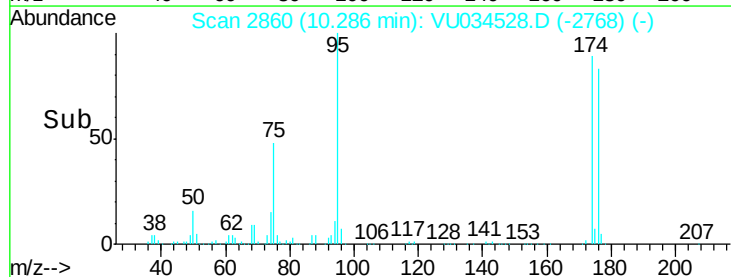
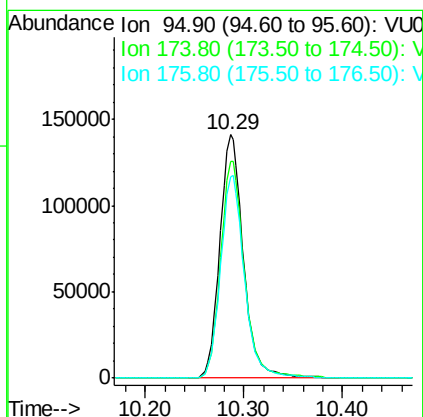
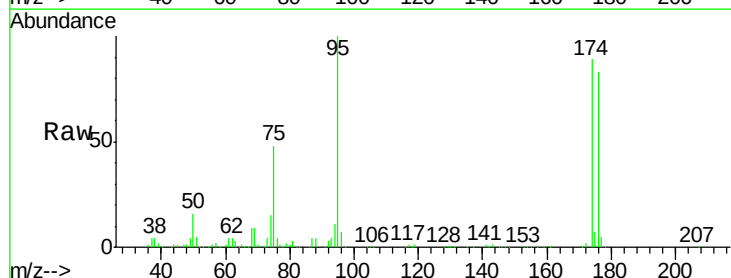
Instrument :
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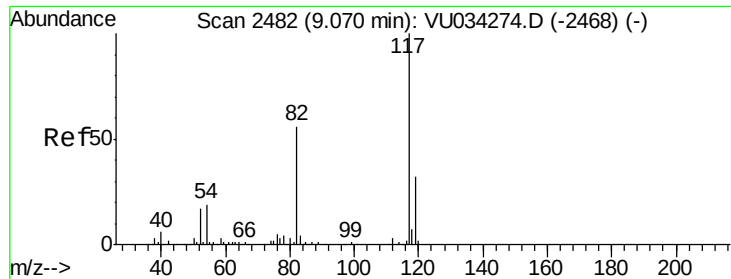
Tot Ion: 98 Resp: 706742
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 45.687 ug/l
RT: 10.29 min Scan# 2860
Delta R.T. -0.00 min
Lab File: VU034528.D
Acq: 12 Sep 2019 18:23

Tgt Ion: 95 Resp: 237327
Ion Ratio Lower Upper
95 100
174 90.0 0.0 175.2
176 84.2 0.0 168.0

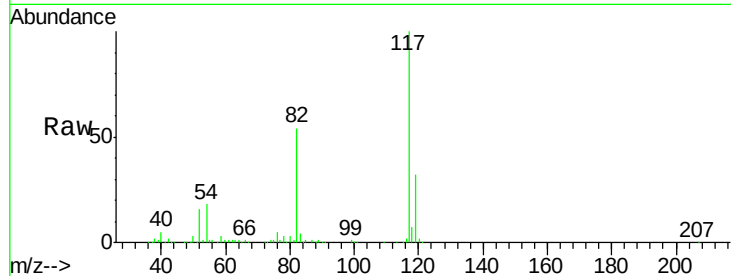




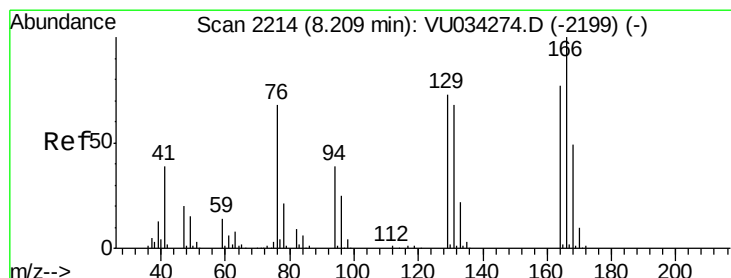
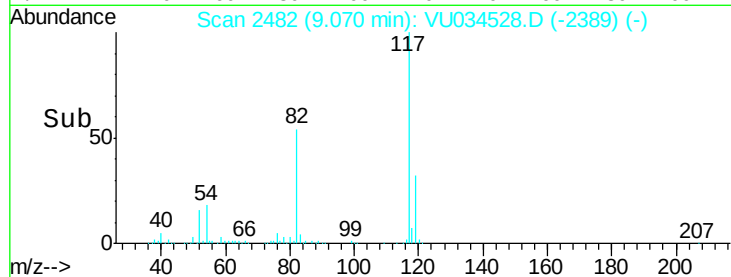
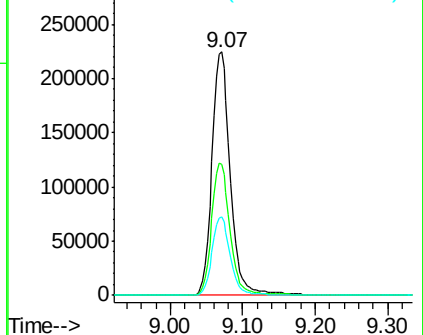
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034528.D
Acq: 12 Sep 2019 18:23

Instrument :
MSVOA_U
ClientSampleId :
CPA-GMW-5S-R-M27W1-090519

Tot Ion:117 Resp: 393571
Ion Ratio Lower Upper
117 100
82 54.1 44.6 67.0
119 32.2 25.9 38.9

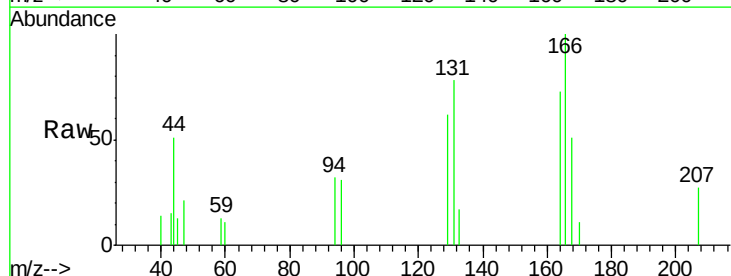


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

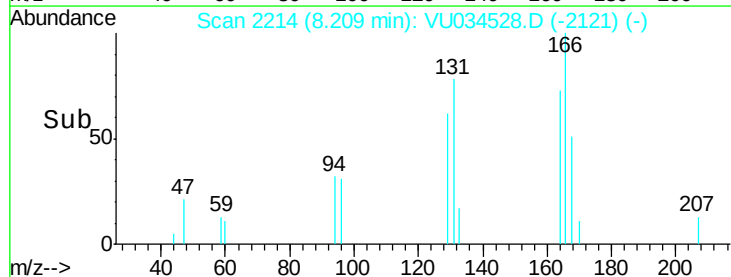
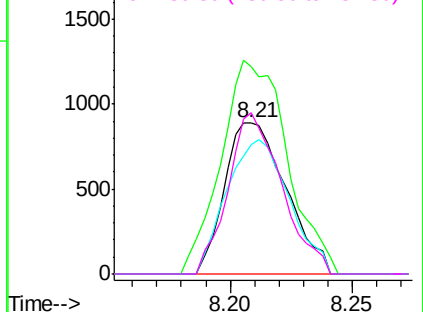


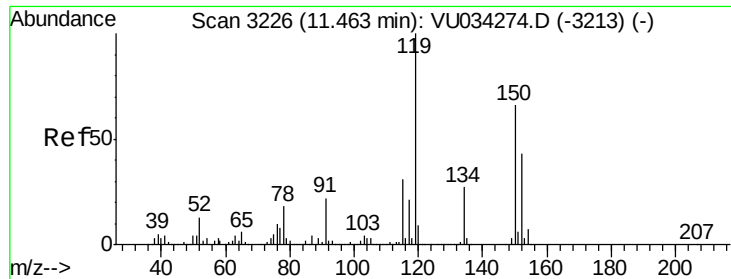
#64
Tetrachloroethene
Concen: 0.455 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034528.D
Acq: 12 Sep 2019 18:23

Tgt Ion:164 Resp: 1553
Ion Ratio Lower Upper
164 100
166 137.0 103.7 155.5
129 85.2 75.8 113.8
131 106.6 70.7 106.1#



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: 11.46 min Scan# 3226

Delta R.T. 0.00 min

Lab File: VU034528.D

Acq: 12 Sep 2019 18:23

Instrument :

MSVOA_U

ClientSampleId :

CPA-GMW-5S-R-M27W1-090519

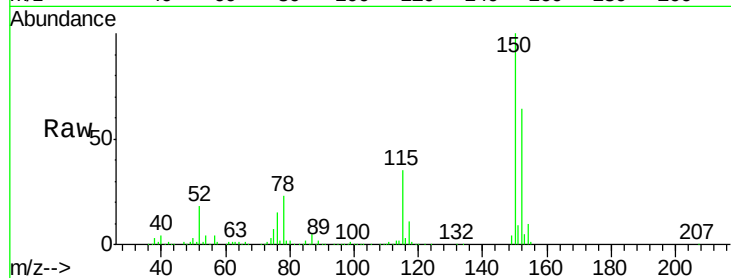
Tot Ion:152 Resp: 226604

Ion Ratio Lower Upper

152 100

115 56.0 39.1 117.3

150 156.9 0.0 345.4



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

