

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091219\  
 Data File : VU034533.D  
 Acq On : 12 Sep 2019 20:20  
 Operator : JC/SP  
 Sample : K4756-08  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 CPA-CPMW11D-M27W1-090319

Quant Time: Sep 13 08:11:36 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

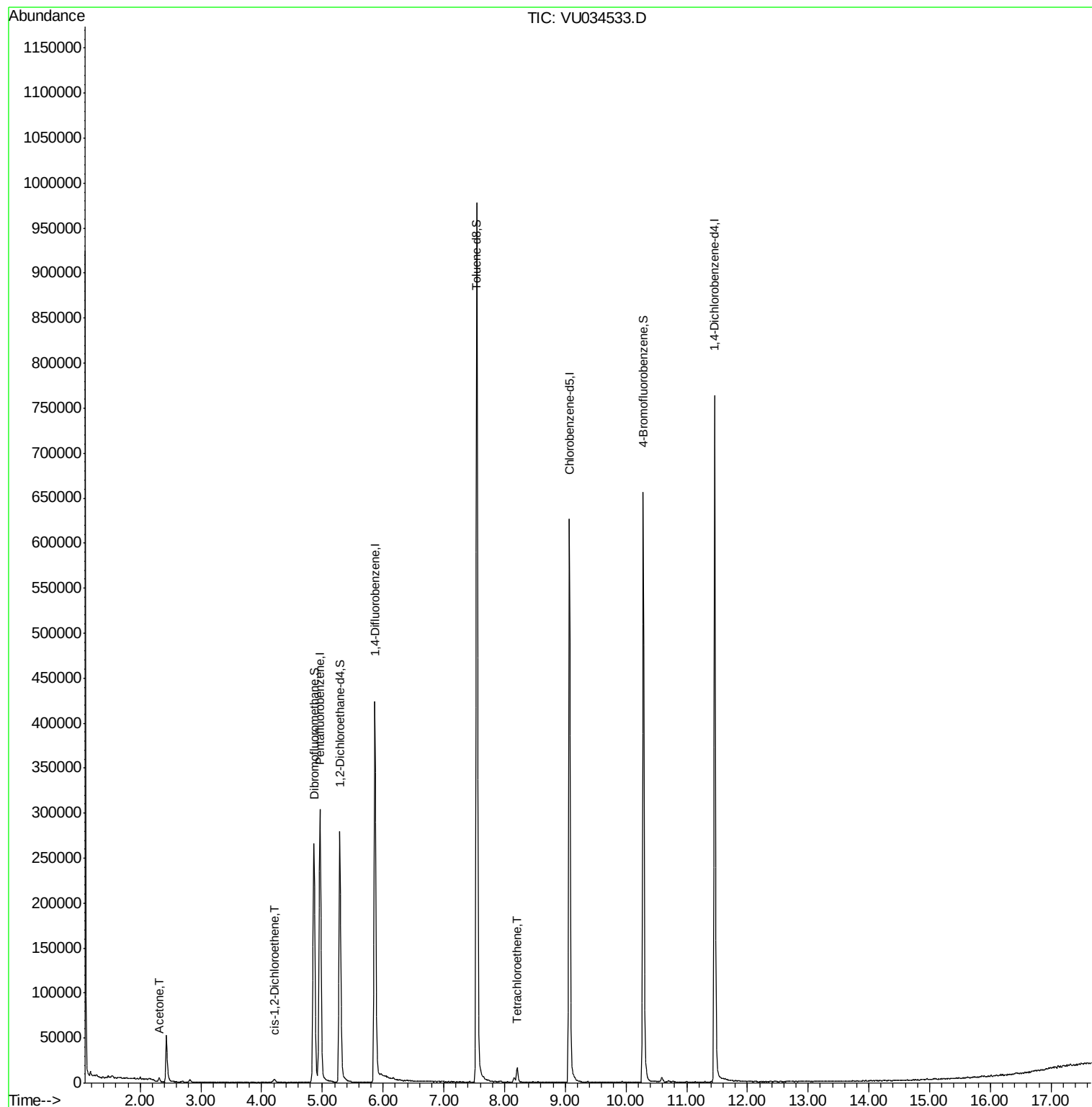
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 4.96  | 168  | 249604   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.86  | 114  | 377248   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 9.07  | 117  | 383416   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.46 | 152  | 220559   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 5.29  | 65   | 220279   | 58.33 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 116.66% |          |
| 35) Dibromofluoromethane    | 4.86  | 113  | 192962   | 54.97 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 109.94% |          |
| 50) Toluene-d8              | 7.55  | 98   | 701706   | 53.21 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.42% |          |
| 62) 4-Bromofluorobenzene    | 10.29 | 95   | 229596   | 45.09 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.18%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.31  | 43   | 5392     | 2.759 | ug/l    | 95       |
| 27) cis-1,2-Dichloroethene  | 4.21  | 96   | 2079     | 0.598 | ug/l    | 74       |
| 64) Tetrachloroethene       | 8.21  | 164  | 4331     | 1.302 | ug/l    | 93       |

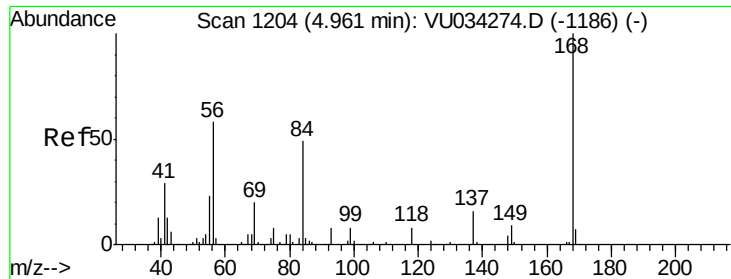
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Sep 06 05:10:13 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VU034533.D

Acq: 12 Sep 2019 20:20

Instrument :

MSVOA\_U

ClientSampleId :

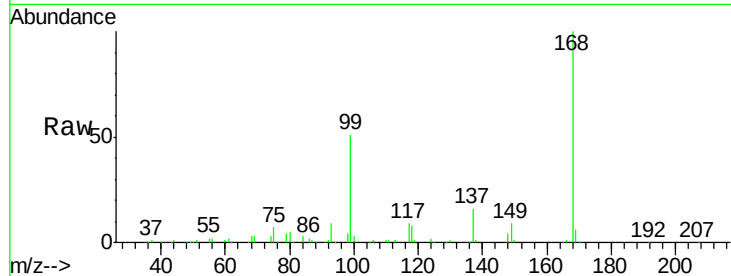
CPA-CPMW11D-M27W1-090319

Tot Ion:168 Resp: 249604

Ion Ratio Lower Upper

168 100

99 50.8 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

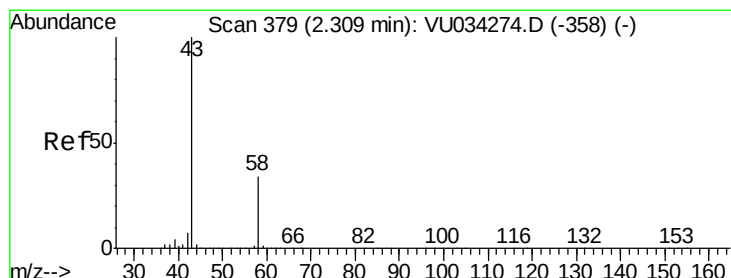
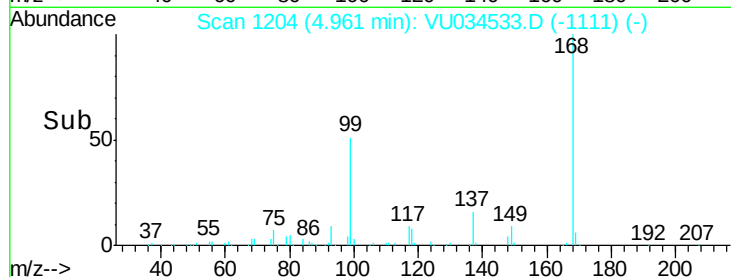
60000

40000

20000

0

Time--> 4.85 4.90 4.95 5.00 5.05



#16

Acetone

Concen: 2.759 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034533.D

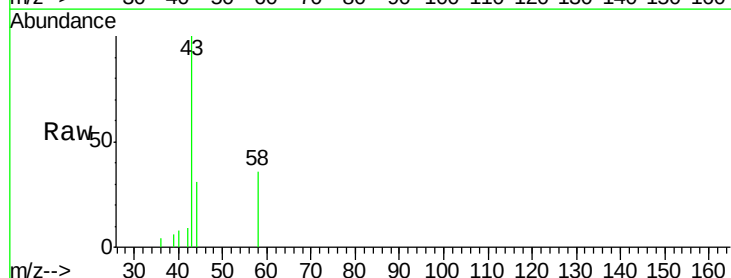
Acq: 12 Sep 2019 20:20

Tgt Ion: 43 Resp: 5392

Ion Ratio Lower Upper

43 100

58 37.5 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-358) (-)

Ion 58.00 (57.70 to 58.70): VU034274.D (-358) (-)

2.31

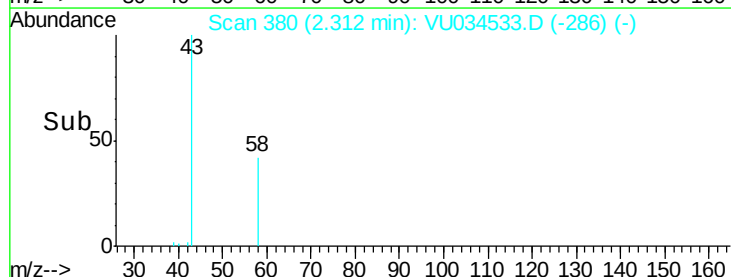
3000

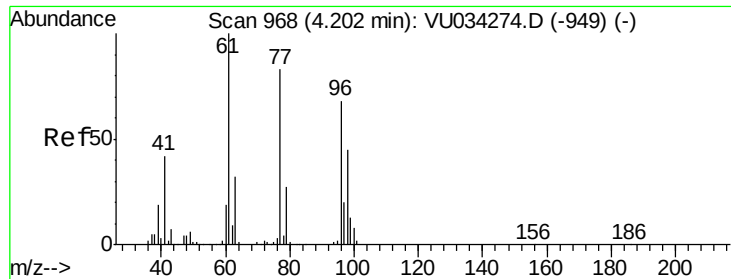
2000

1000

0

Time--> 2.25 2.30 2.35

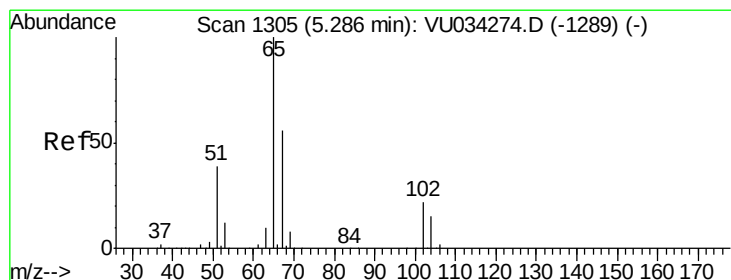
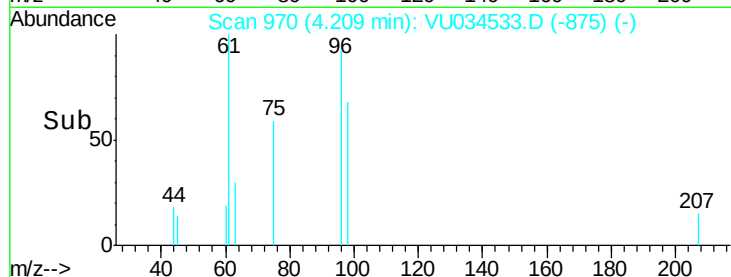
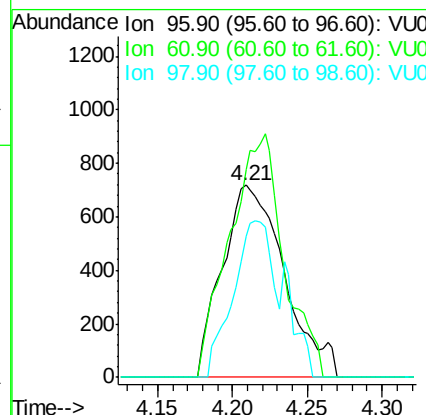
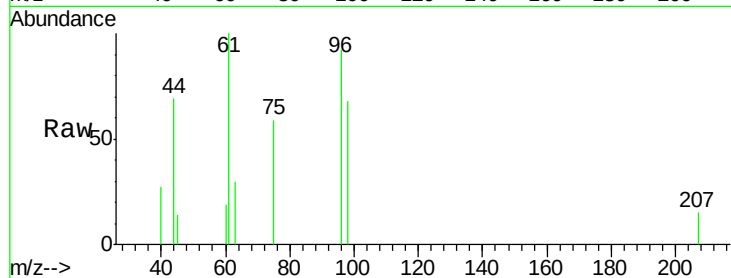




#27  
 cis-1,2-Dichloroethene  
 Concen: 0.598 ug/l  
 RT: 4.21 min Scan# 970  
 Delta R.T. 0.01 min  
 Lab File: VU034533.D  
 Acq: 12 Sep 2019 20:20

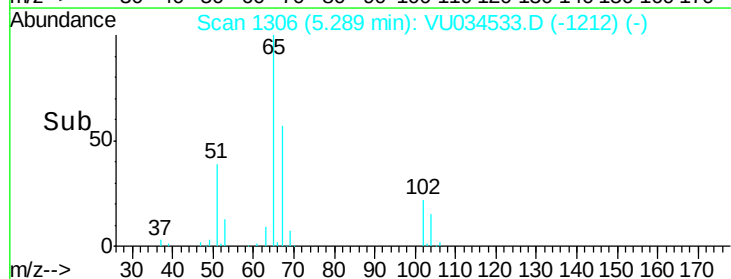
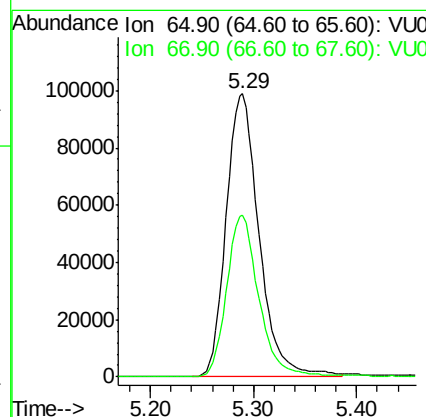
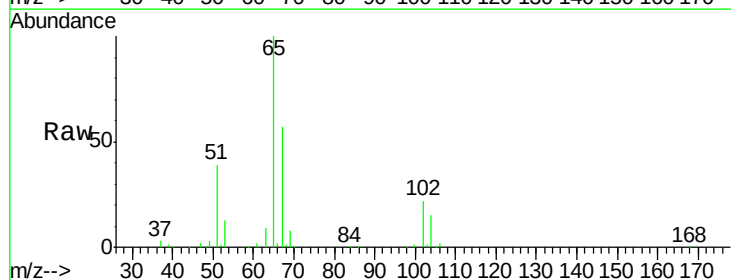
Instrument :  
 MSVOA\_U  
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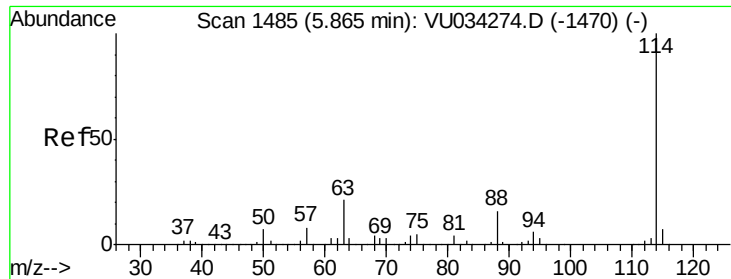
Tot Ion: 96 Resp: 2079  
 Ion Ratio Lower Upper  
 96 100  
 61 110.3 0.0 297.4  
 98 52.0 0.0 130.0



#33  
 1,2-Dichloroethane-d4  
 Concen: 58.327 ug/l  
 RT: 5.29 min Scan# 1306  
 Delta R.T. 0.00 min  
 Lab File: VU034533.D  
 Acq: 12 Sep 2019 20:20

Tgt Ion: 65 Resp: 220279  
 Ion Ratio Lower Upper  
 65 100  
 67 55.4 0.0 112.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VU034533.D

Acq: 12 Sep 2019 20:20

Instrument :

MSVOA\_U

ClientSampleId :

CPA-CPMW11D-M27W1-090319

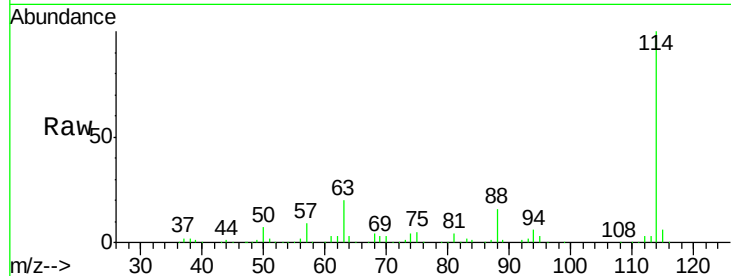
Tot Ion:114 Resp: 377248

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.4

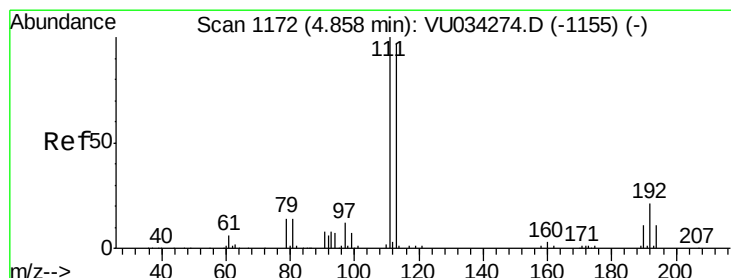
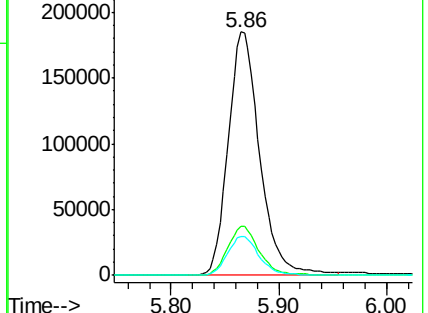
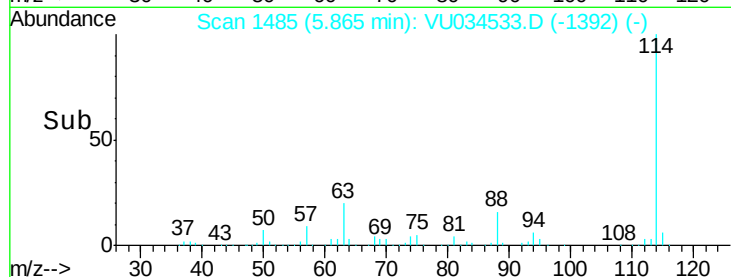
88 16.2 0.0 32.4



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: 54.970 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034533.D

Acq: 12 Sep 2019 20:20

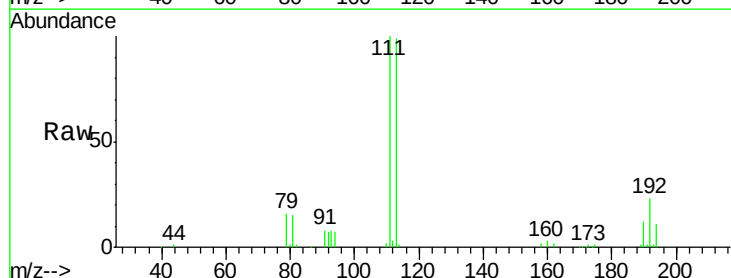
Tgt Ion:113 Resp: 192962

Ion Ratio Lower Upper

113 100

111 101.7 81.5 122.3

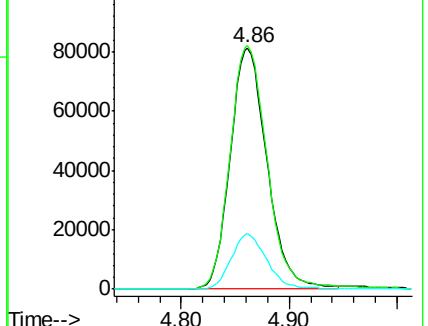
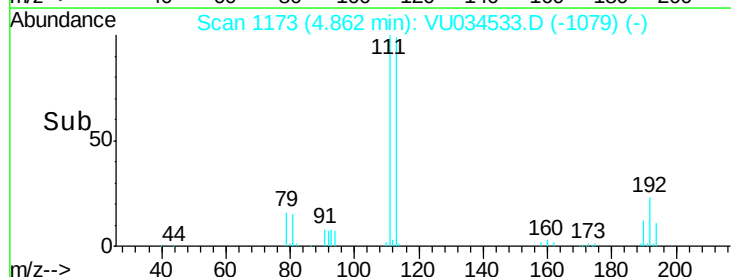
192 22.3 17.8 26.8

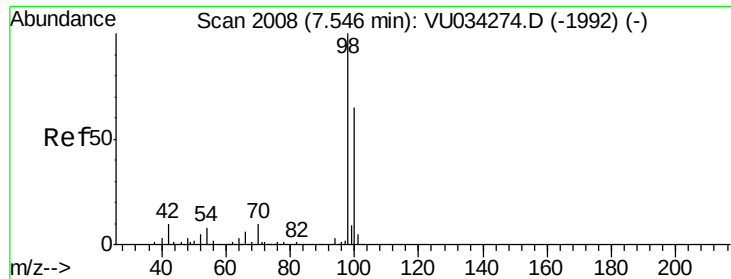


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

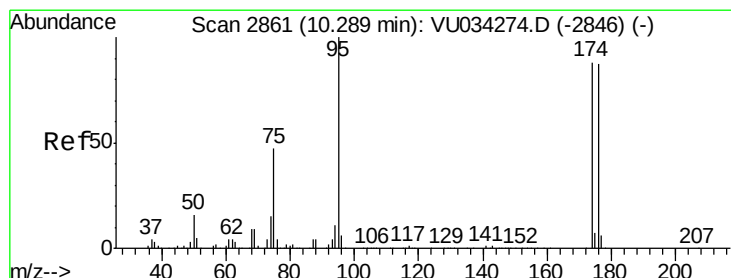
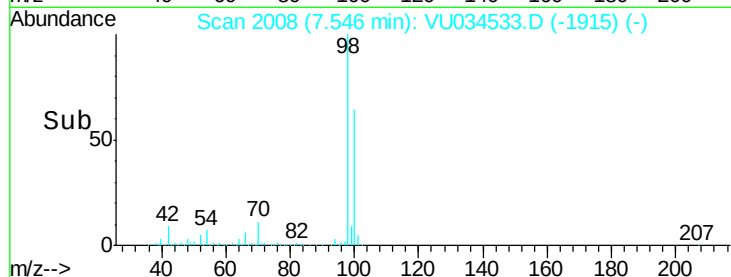
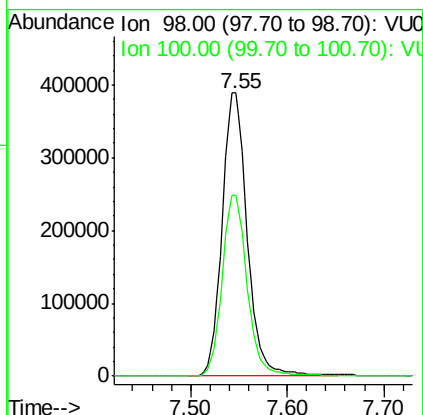
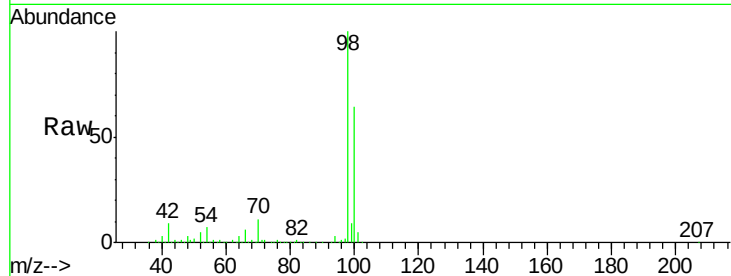




#50  
Toluene-d8  
Concen: 53.207 ug/l  
RT: 7.55 min Scan# 2008  
Delta R.T. -0.00 min  
Lab File: VU034533.D  
Acq: 12 Sep 2019 20:20

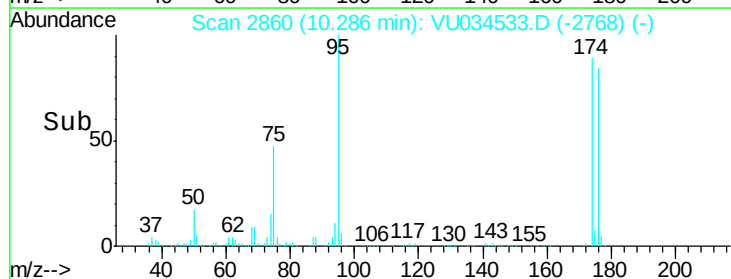
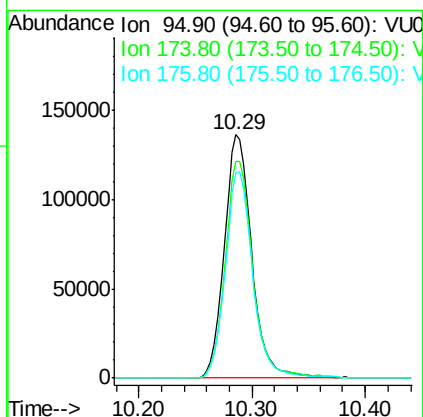
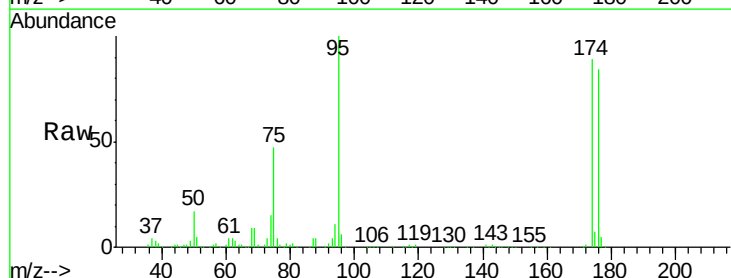
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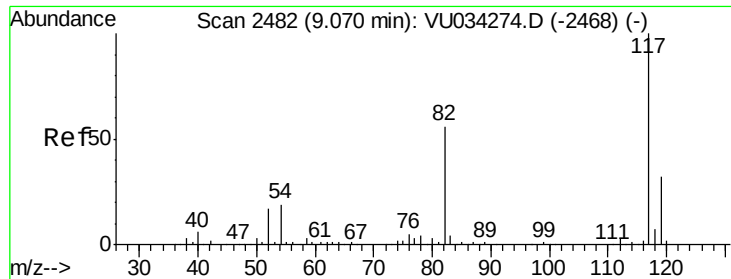
Tot Ion: 98 Resp: 701706  
Ion Ratio Lower Upper  
98 100  
100 63.7 51.7 77.5



#62  
4-Bromofluorobenzene  
Concen: 45.090 ug/l  
RT: 10.29 min Scan# 2860  
Delta R.T. -0.00 min  
Lab File: VU034533.D  
Acq: 12 Sep 2019 20:20

Tgt Ion: 95 Resp: 229596  
Ion Ratio Lower Upper  
95 100  
174 90.1 0.0 175.2  
176 84.6 0.0 168.0

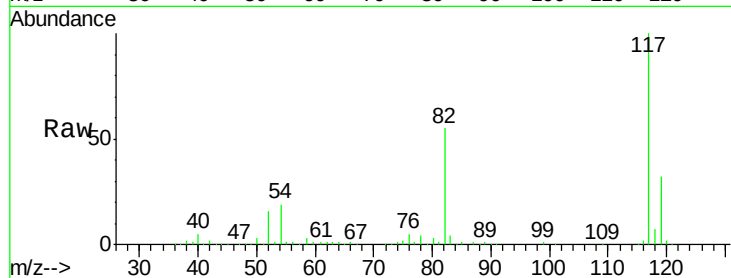




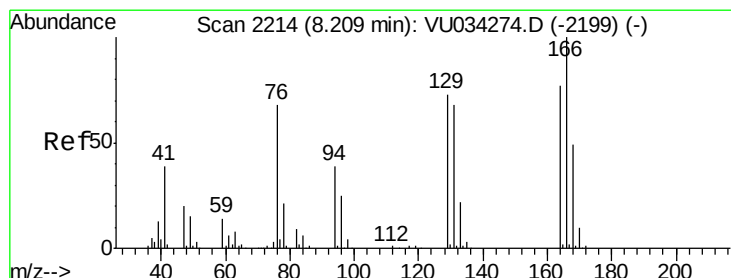
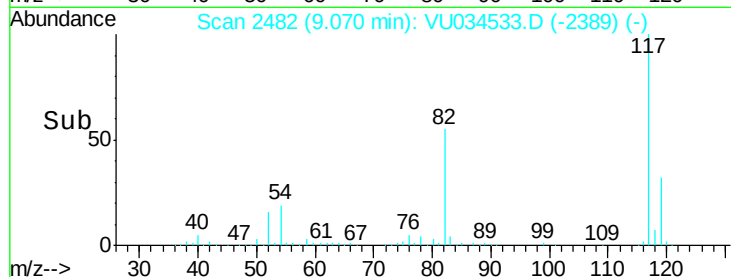
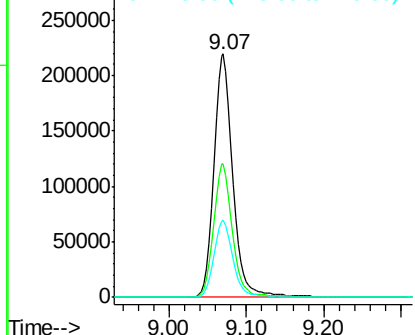
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.07 min Scan# 2482  
Delta R.T. -0.00 min  
Lab File: VU034533.D  
Acq: 12 Sep 2019 20:20

Instrument :  
MSVOA\_U  
ClientSampleId :  
CPA-CPMW11D-M27W1-090319

Tot Ion:117 Resp: 383416  
Ion Ratio Lower Upper  
117 100  
82 54.8 44.6 67.0  
119 31.6 25.9 38.9



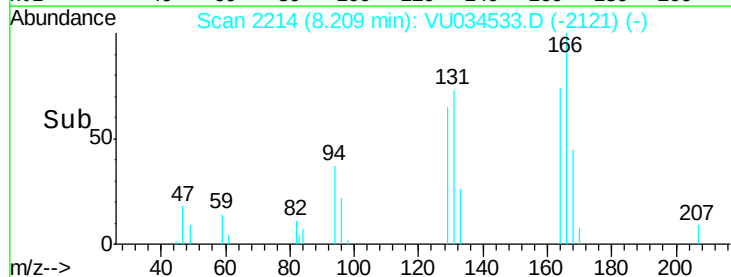
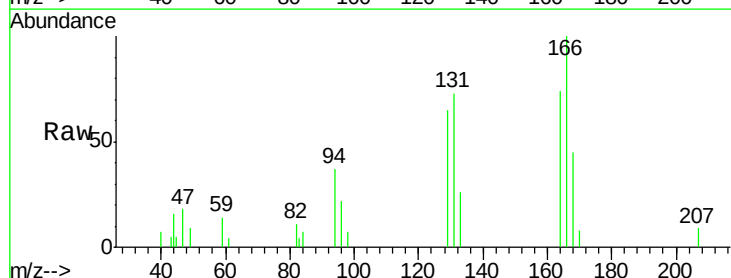
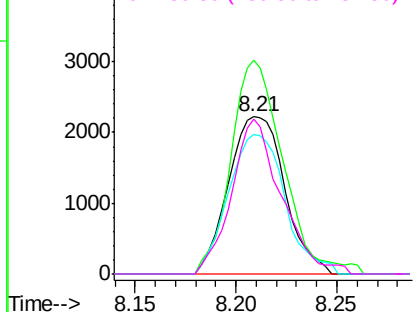
Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

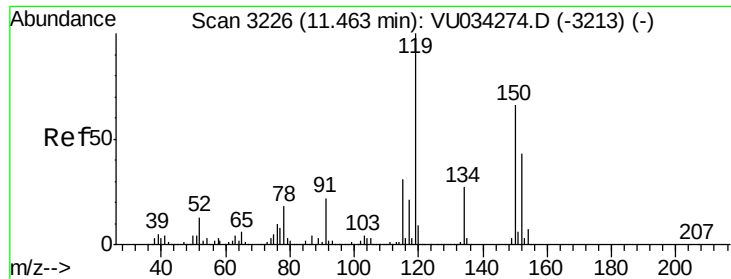


#64  
Tetrachloroethene  
Concen: 1.302 ug/l  
RT: 8.21 min Scan# 2214  
Delta R.T. -0.00 min  
Lab File: VU034533.D  
Acq: 12 Sep 2019 20:20

Tgt Ion:164 Resp: 4331  
Ion Ratio Lower Upper  
164 100  
166 135.7 103.7 155.5  
129 88.8 75.8 113.8  
131 98.6 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: VU034533.D

Acq: 12 Sep 2019 20:20

Instrument :

MSVOA\_U

ClientSampleId :

CPA-CPMW11D-M27W1-090319

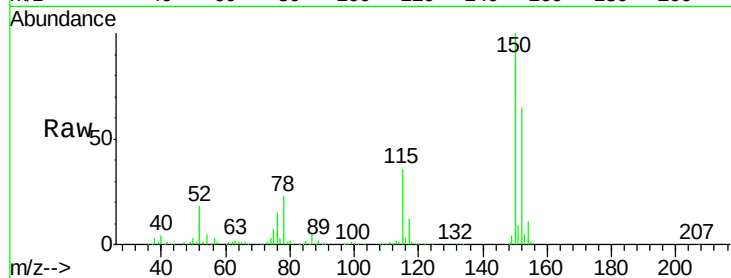
Tot Ion:152 Resp: 220559

Ion Ratio Lower Upper

152 100

115 55.7 39.1 117.3

150 154.8 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

