

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091219\  
 Data File : VU034524.D  
 Acq On : 12 Sep 2019 16:51  
 Operator : JC/SP  
 Sample : K4756-18  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 CPA-CPMW05D-M27W1-090519

Manual Integrations  
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 9/16/2019 11:16:58 AM

Quant Time: Sep 13 07:55:21 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  | 259806   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.87  | 114  | 392867   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 9.07  | 117  | 395880   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.46 | 152  | 228994   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 5.29  | 65   | 225677   | 57.41  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 114.82% |          |
| 35) Dibromofluoromethane    | 4.86  | 113  | 193813   | 53.02  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.04% |          |
| 50) Toluene-d8              | 7.54  | 98   | 717290   | 52.23  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.46% |          |
| 62) 4-Bromofluorobenzene    | 10.29 | 95   | 242812   | 45.79  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 91.58%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.31  | 43   | 6666     | 3.277  | ug/l    | 97       |
| 27) cis-1,2-Dichloroethene  | 4.22  | 96   | 2077     | 0.574  | ug/l    | 70       |
| 64) Tetrachloroethene       | 8.21  | 164  | 37727    | 10.985 | ug/l    | 95       |
| 95) Naphthalene             | 13.74 | 128  | 14733m   | 4.855  | ug/l    |          |

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

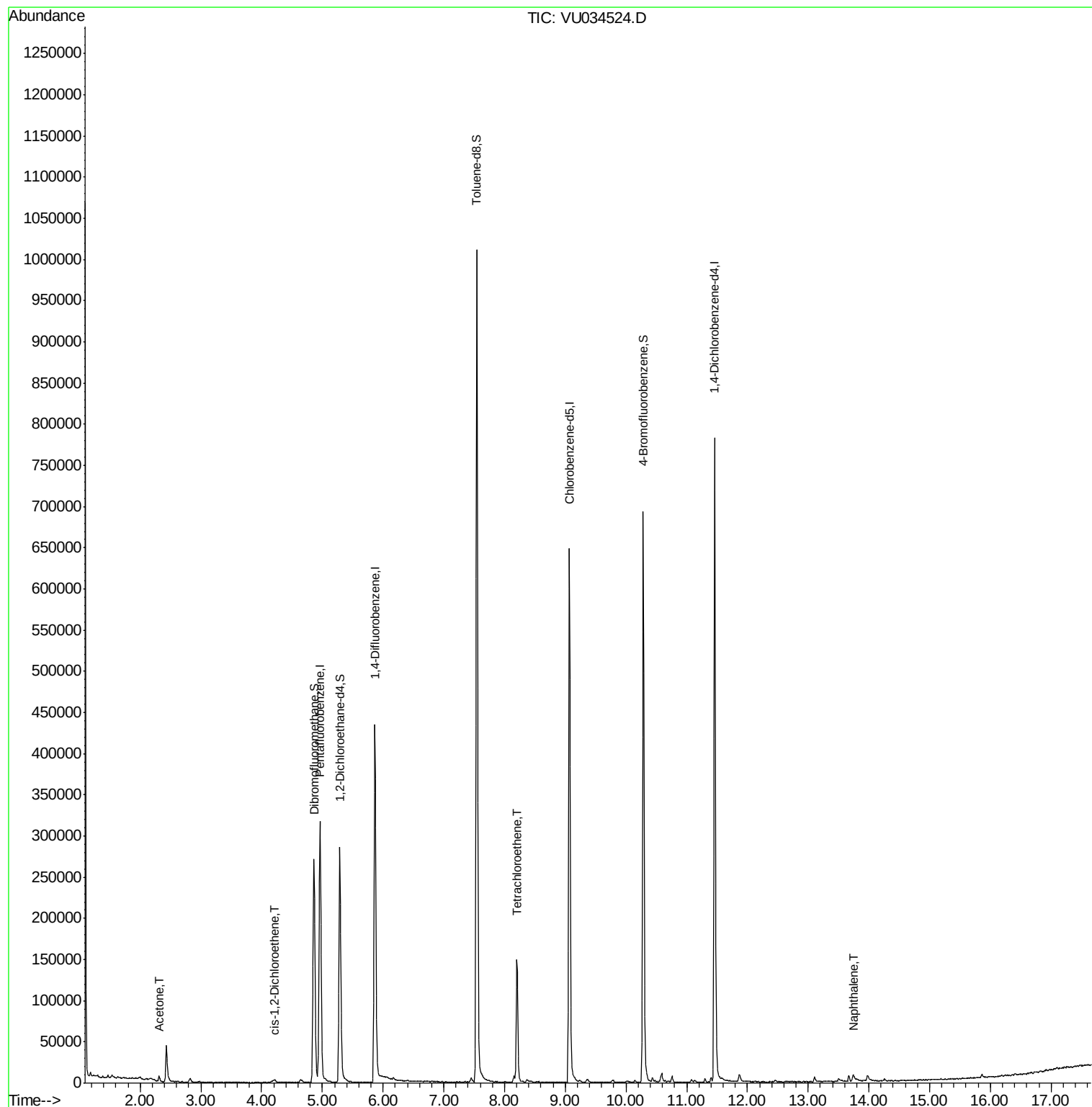
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU091219\  
Data File : VU034524.D  
Acq On : 12 Sep 2019 16:51  
Operator : JC/SP  
Sample : K4756-18  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 20 Sample Multiplier: 1

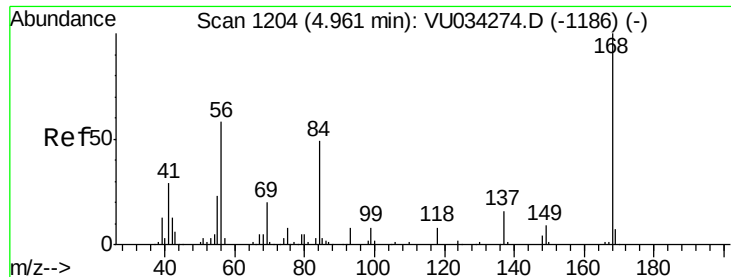
Instrument :  
MSVOA\_U  
ClientSampleId :  
CPA-CPMW05D-M27W1-090519

Manual Integrations  
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9/16/2019 11:16:58 AM

Quant Time: Sep 13 07:55:21 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U090619W.M  
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: VU034524.D

Acq: 12 Sep 2019 16:51

Instrument :

MSVOA\_U

ClientSampleId :

CPA-CPMW05D-M27W1-090519

Tot Ion:168 Resp: 259806

Ion Ratio Lower Upper

168 100

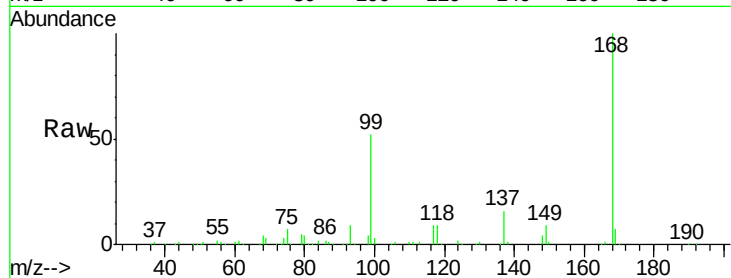
99 51.8 41.6 62.4

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

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

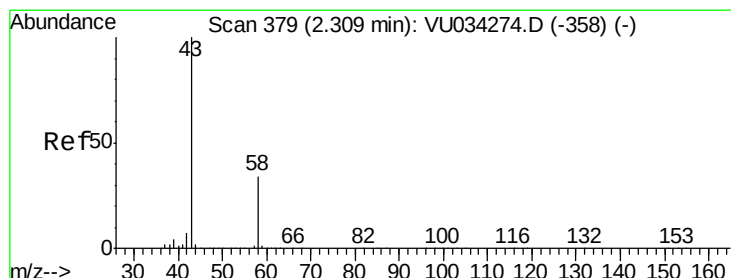
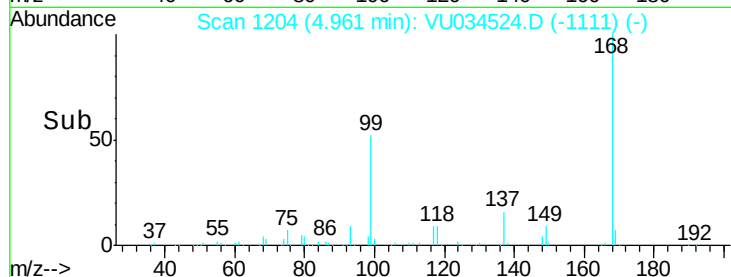
4.96

100000

50000

0

Time-->



#16

Acetone

Concen: 3.277 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034524.D

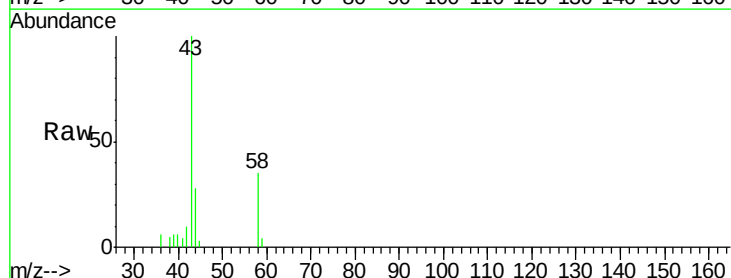
Acq: 12 Sep 2019 16:51

Tgt Ion: 43 Resp: 6666

Ion Ratio Lower Upper

43 100

58 36.2 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

5000

4000

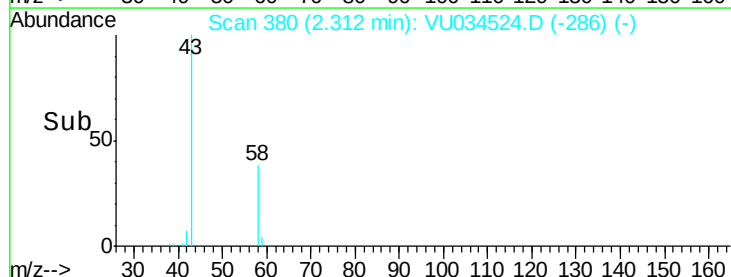
3000

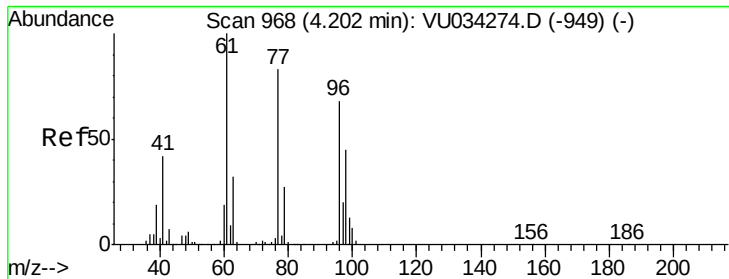
2000

1000

0

Time-->





#27

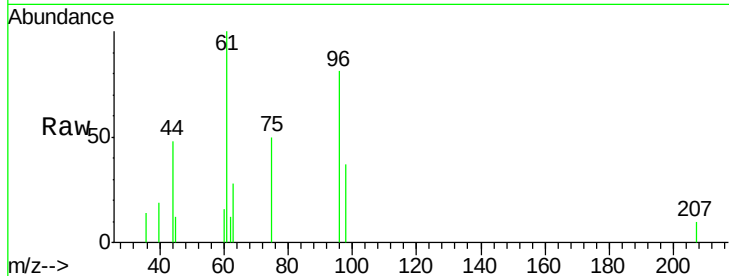
cis-1,2-Dichloroethene  
 Concen: 0.574 ug/l  
 RT: 4.22 min Scan# 972  
 Delta R.T. 0.01 min  
 Lab File: VU034524.D  
 Acq: 12 Sep 2019 16:51

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 CPA-CPMW05D-M27W1-090519

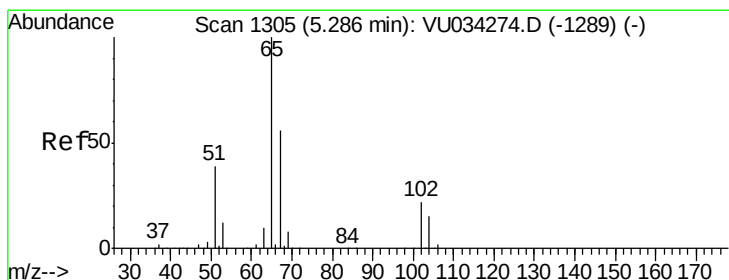
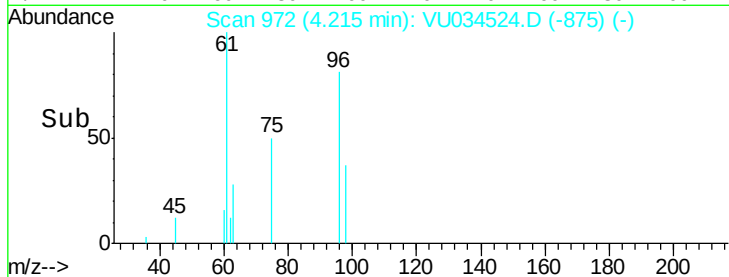
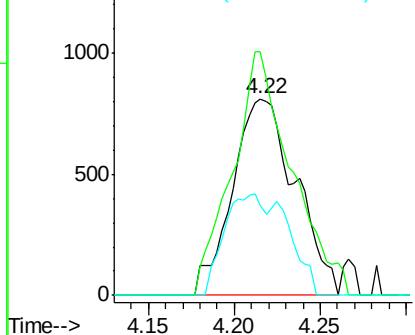
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 116.0 | 0.0   | 297.4 |
| 98      | 33.0  | 0.0   | 130.0 |

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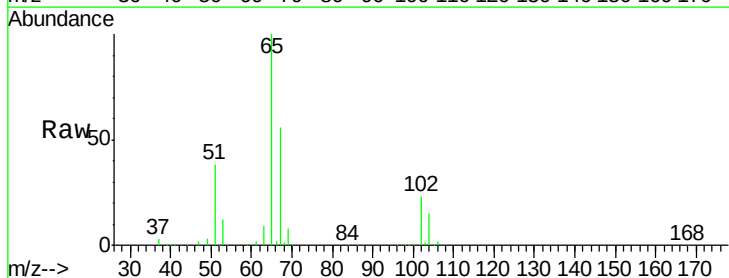
Abundance Ion 95.90 (95.60 to 96.60): VU0  
 Ion 60.90 (60.60 to 61.60): VU0  
 Ion 97.90 (97.60 to 98.60): VU0



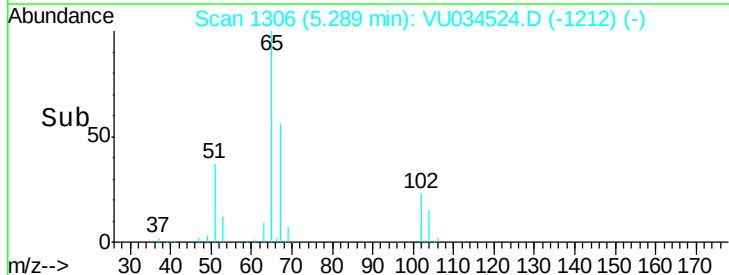
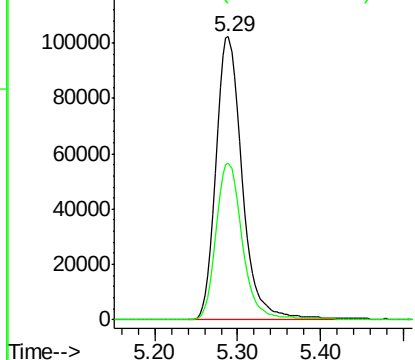
#33

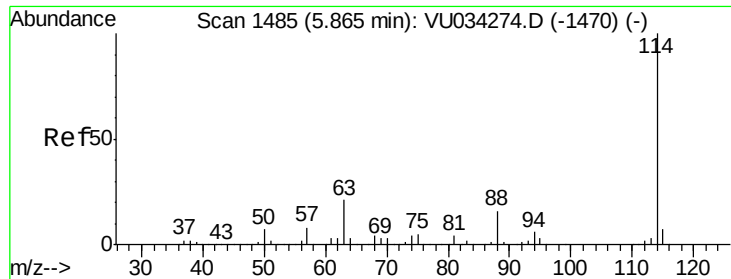
1,2-Dichloroethane-d4  
 Concen: 57.410 ug/l  
 RT: 5.29 min Scan# 1306  
 Delta R.T. 0.00 min  
 Lab File: VU034524.D  
 Acq: 12 Sep 2019 16:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 55.2  | 0.0   | 112.4 |



Abundance Ion 64.90 (64.60 to 65.60): VU0  
 Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.87 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VU034524.D

Acq: 12 Sep 2019 16:51

Instrument :

MSVOA\_U

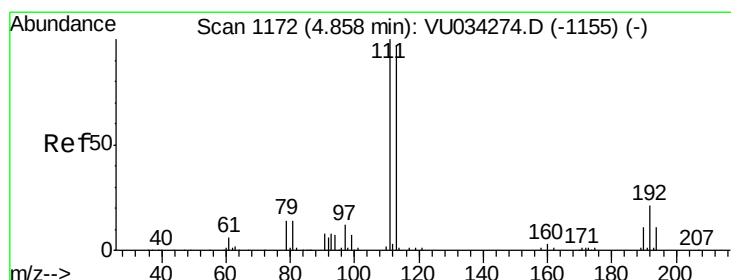
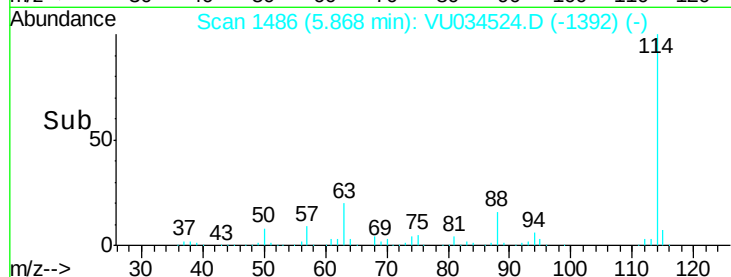
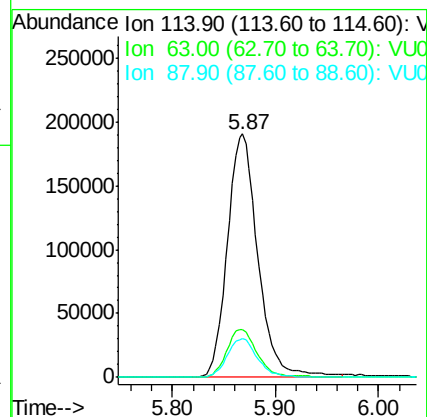
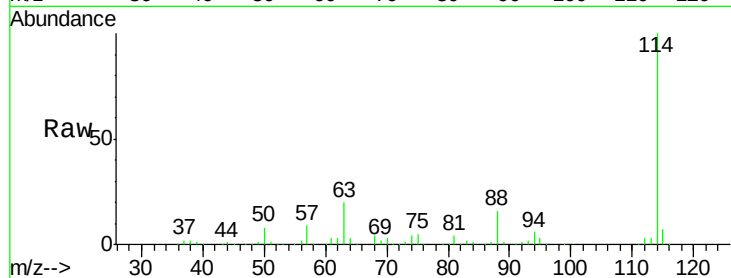
ClientSampleId :

CPA-CPMW05D-M27W1-090519

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 392867 |       |       |
| 63      | 19.6  | 0.0    | 42.4  |       |
| 88      | 15.8  | 0.0    | 32.4  |       |

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#35

Dibromofluoromethane

Concen: 53.018 ug/l

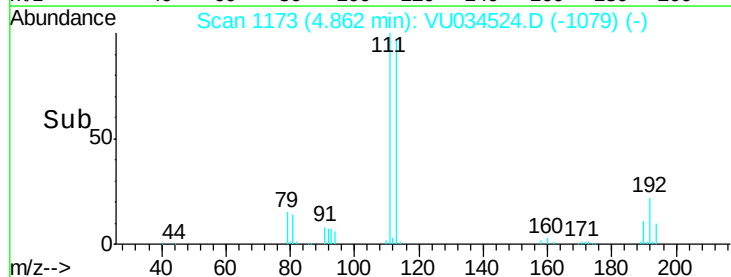
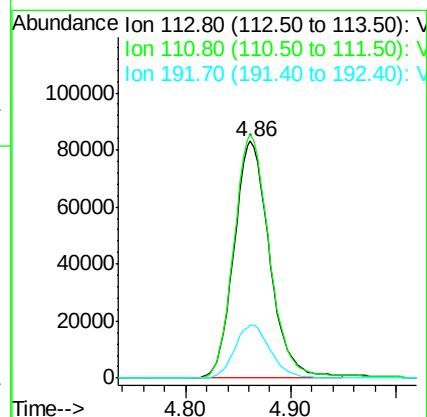
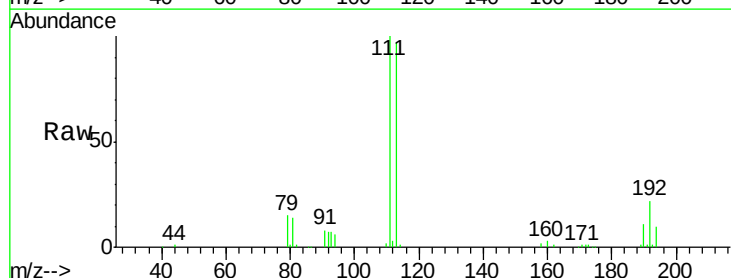
RT: 4.86 min Scan# 1173

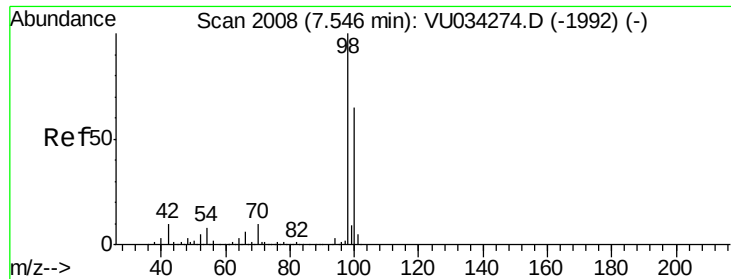
Delta R.T. 0.00 min

Lab File: VU034524.D

Acq: 12 Sep 2019 16:51

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 193813 |       |       |
| 111     | 102.5 | 81.5   | 122.3 |       |
| 192     | 22.4  | 17.8   | 26.8  |       |





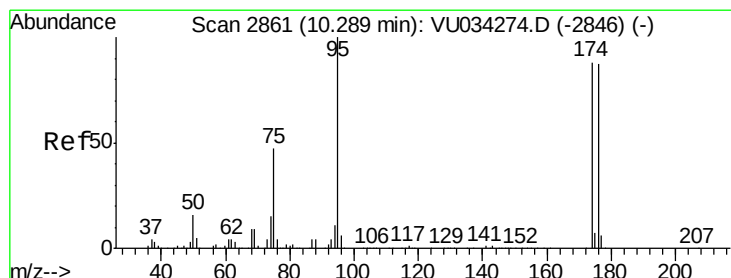
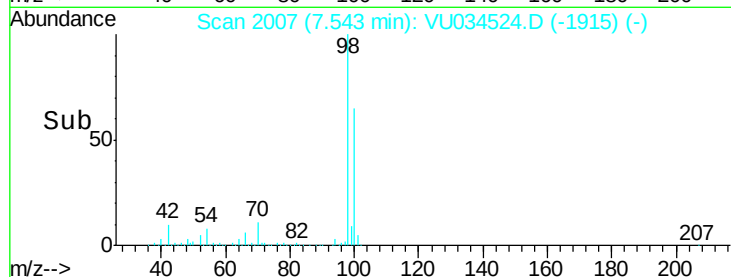
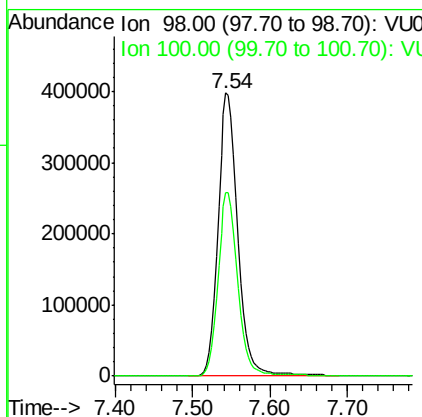
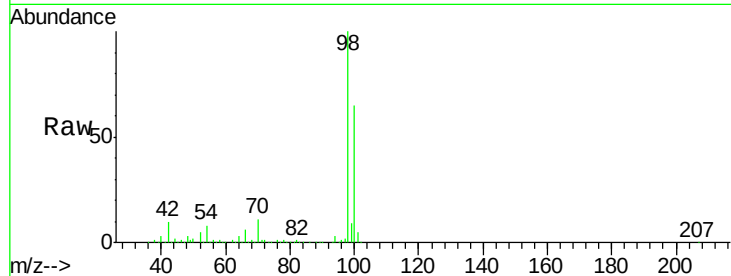
#50  
Toluene-d8  
Concen: 52.226 ug/l  
RT: 7.54 min Scan# 2007  
Delta R.T. -0.00 min  
Lab File: VU034524.D  
Acq: 12 Sep 2019 16:51

Instrument :  
MSVOA\_U  
ClientSampleId :  
CPA-CPMW05D-M27W1-090519

Tot Ion: 98 Resp: 717290  
Ion Ratio Lower Upper  
98 100  
100 64.9 51.7 77.5

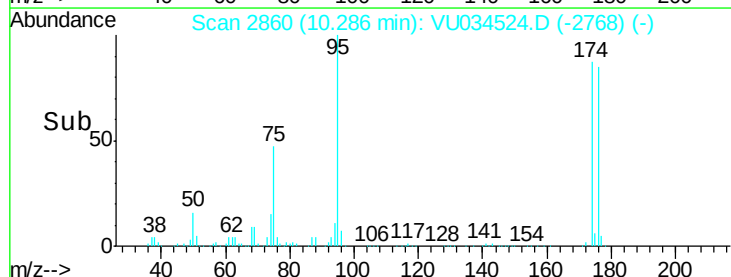
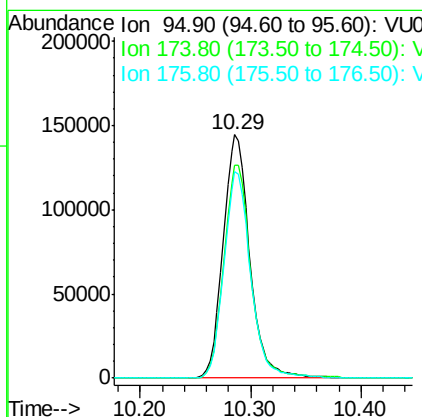
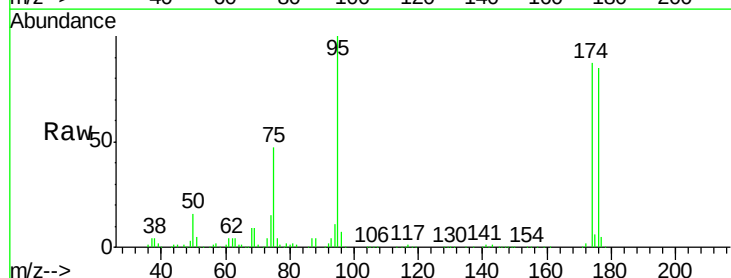
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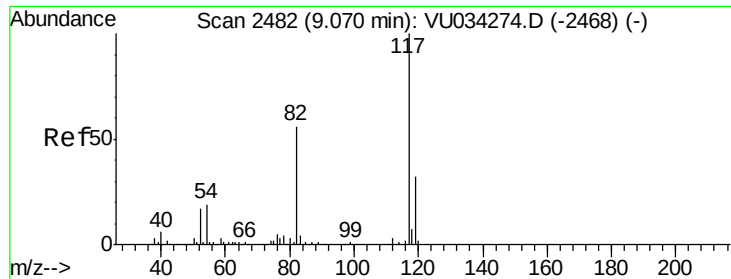
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#62  
4-Bromofluorobenzene  
Concen: 45.790 ug/l  
RT: 10.29 min Scan# 2860  
Delta R.T. -0.00 min  
Lab File: VU034524.D  
Acq: 12 Sep 2019 16:51

Tgt Ion: 95 Resp: 242812  
Ion Ratio Lower Upper  
95 100  
174 88.8 0.0 175.2  
176 85.1 0.0 168.0





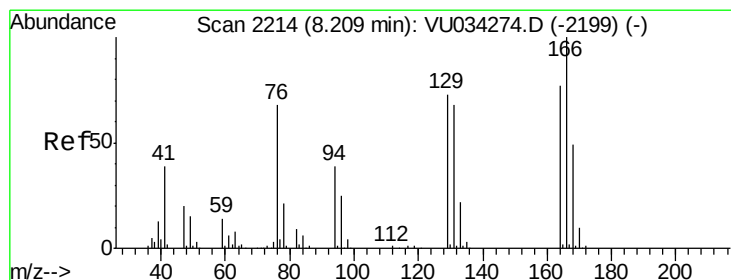
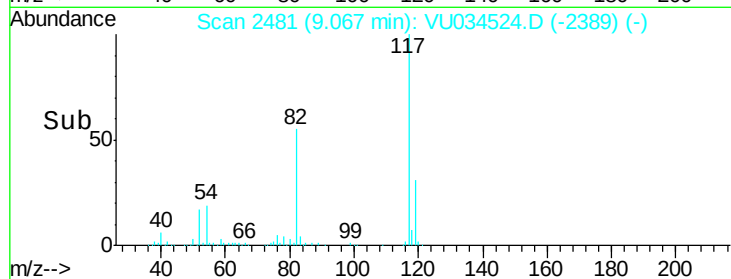
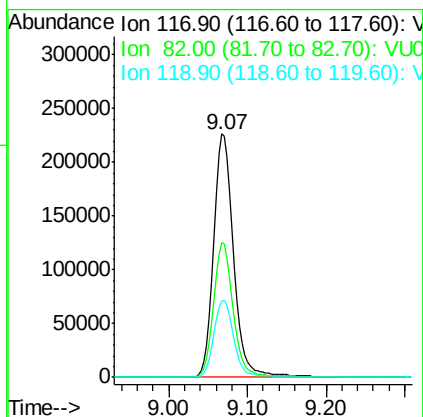
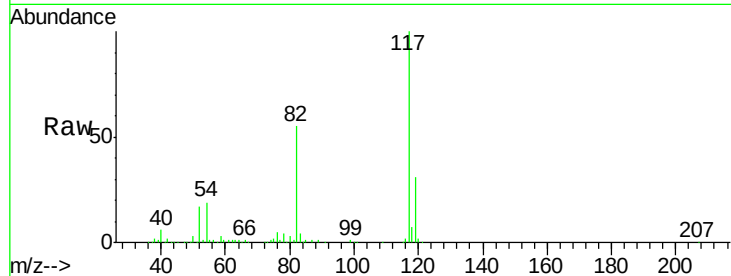
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.07 min Scan# 2481  
Delta R.T. -0.00 min  
Lab File: VU034524.D  
Acq: 12 Sep 2019 16:51

Instrument :  
MSVOA\_U  
ClientSampleId :  
CPA-CPMW05D-M27W1-090519

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 395880 |       |       |
| 82      | 55.3  | 44.6   | 67.0  |       |
| 119     | 31.4  | 25.9   | 38.9  |       |

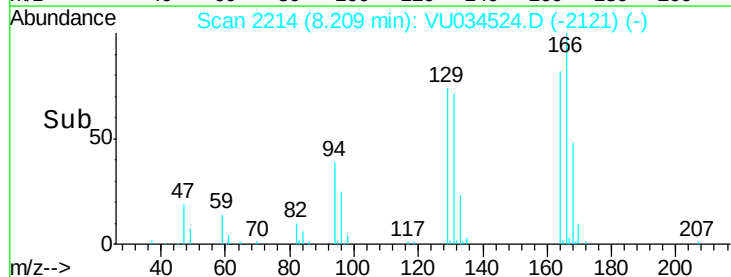
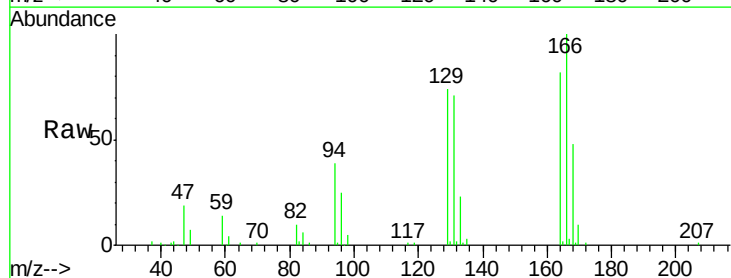
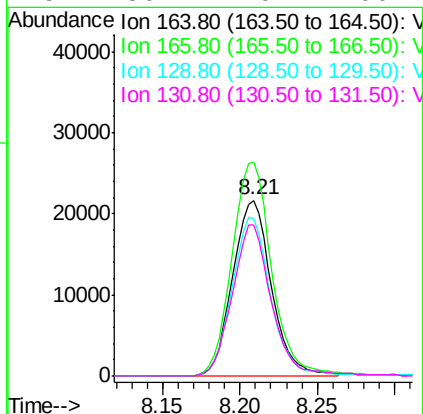
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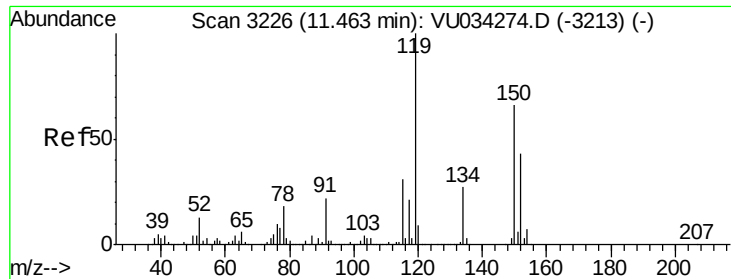
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#64  
Tetrachloroethene  
Concen: 10.985 ug/l  
RT: 8.21 min Scan# 2214  
Delta R.T. -0.00 min  
Lab File: VU034524.D  
Acq: 12 Sep 2019 16:51

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 37727 |       |       |
| 166     | 121.7 | 103.7 | 155.5 |       |
| 129     | 89.8  | 75.8  | 113.8 |       |
| 131     | 86.4  | 70.7  | 106.1 |       |





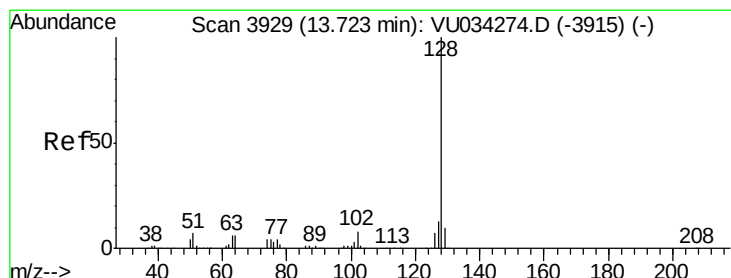
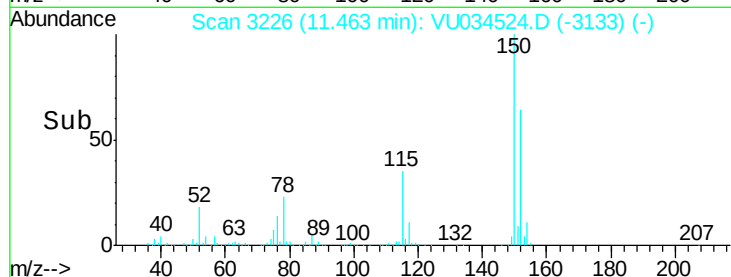
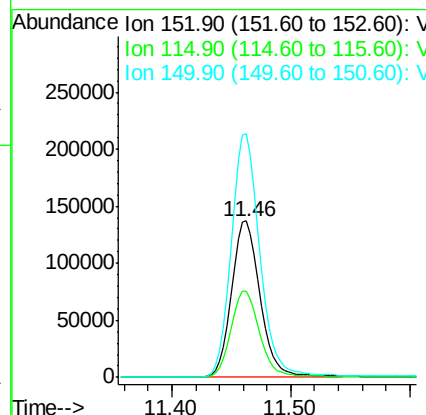
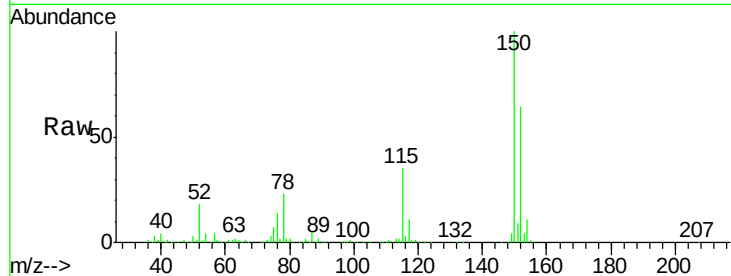
#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 11.46 min Scan# 3226  
 Delta R.T. -0.00 min  
 Lab File: VU034524.D  
 Acq: 12 Sep 2019 16:51

Instrument :  
 MSVOA\_U  
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 CPA-CPMW05D-M27W1-090519

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 152     | 100   | 228994 |       |       |
| 115     | 56.0  | 39.1   | 117.3 |       |
| 150     | 156.6 | 0.0    | 345.4 |       |

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#95  
 Naphthalene  
 Concen: 4.855 ug/l m  
 RT: 13.74 min Scan# 3935  
 Delta R.T. 0.02 min  
 Lab File: VU034524.D  
 Acq: 12 Sep 2019 16:51

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 128     | 100   | 14733 |       |       |
| 127     | 5.9   | 10.6  | 15.8# |       |
| 129     | 9.7   | 8.4   | 12.6  |       |

