

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050319\  
 Data File : VX009331.D  
 Acq On : 03 May 2019 23:40  
 Operator : JC/SP  
 Sample : K2663-06  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW513-190430

Manual Integrations  
 APPROVED

MMDadoda  
 5/6/2019 9:25:00 AM

Quant Time: May 06 05:11:22 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 30 07:03:50 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 187005   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 302292   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 263089   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 116587   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 124864   | 48.91 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.82% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 92127    | 48.48 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.96% |          |
| 50) Toluene-d8              | 8.71  | 98   | 375252   | 48.91 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.82% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 125175   | 44.90 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 89.80% |          |
| Target Compounds            |       |      |          |       |        |          |
|                             |       |      |          |       | Qvalue |          |
| 4) Vinyl Chloride           | 1.40  | 62   | 2638     | 1.150 | ug/l # | 74       |
| 8) Diethyl Ether            | 2.19  | 74   | 1065     | 0.806 | ug/l   | 84       |
| 16) Acetone                 | 2.44  | 43   | 4777     | 3.485 | ug/l   | 92       |
| 17) Carbon Disulfide        | 2.64  | 76   | 26032m   | 5.284 | ug/l   |          |
| 27) cis-1,2-Dichloroethene  | 4.59  | 96   | 6639     | 2.923 | ug/l   | 88       |
| 44) Trichloroethene         | 7.21  | 130  | 2534     | 1.206 | ug/l   | 95       |
| 52) Toluene                 | 8.78  | 92   | 3362     | 0.636 | ug/l   | 97       |

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

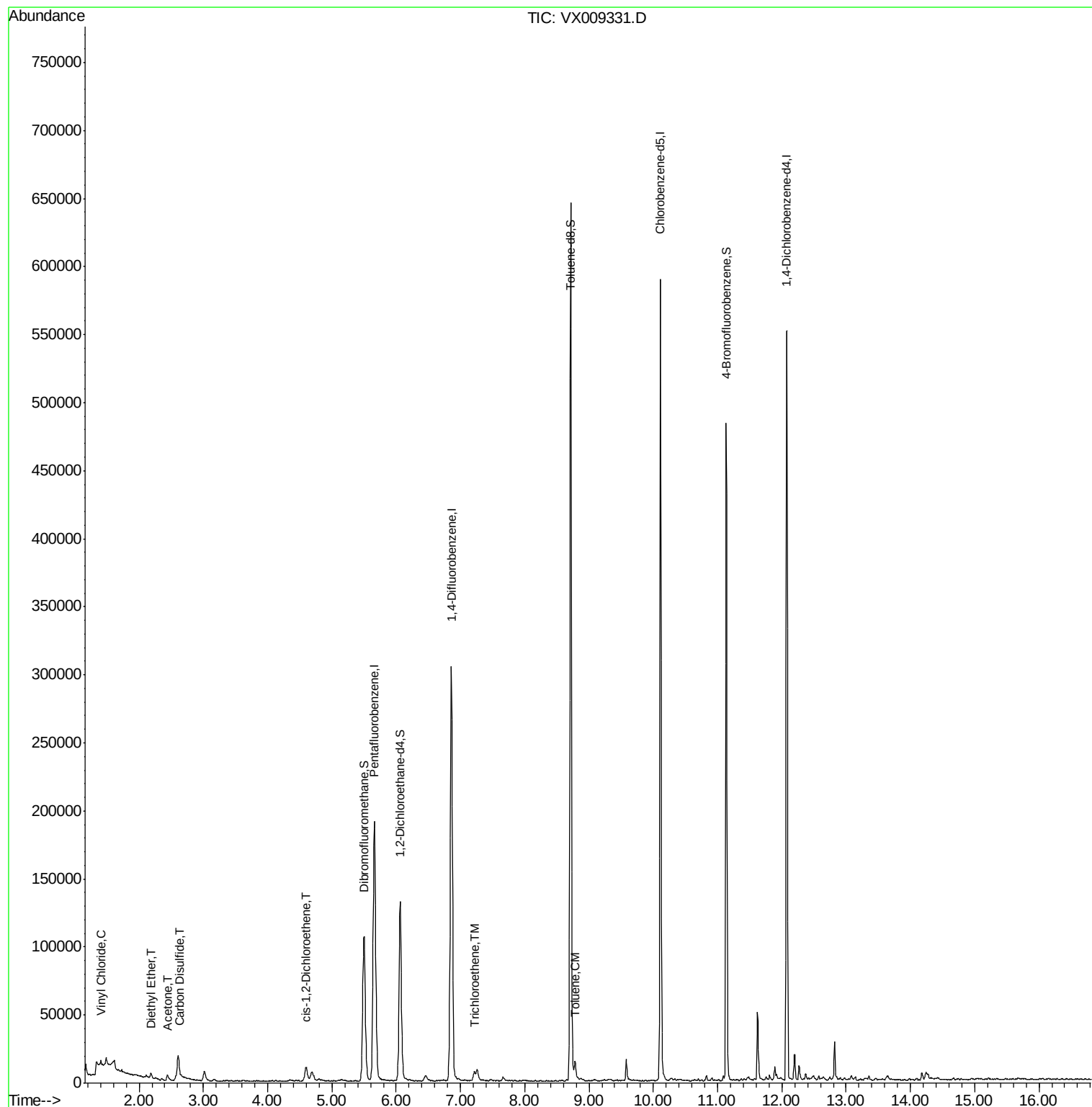
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX050319\  
Data File : VX009331.D  
Acq On : 03 May 2019 23:40  
Operator : JC/SP  
Sample : K2663-06  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 33 Sample Multiplier: 1

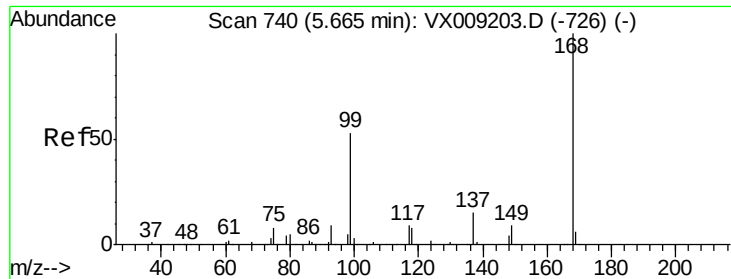
Instrument :  
MSVOA\_X  
ClientSampleId :  
SS050MW513-190430

Manual Integrations  
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5/6/2019 9:25:00 AM

Quant Time: May 06 05:11:22 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 30 07:03:50 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009331.D

Acq: 03 May 2019 23:40

Instrument :

MSVOA\_X

ClientSampleId :

SS050MW513-190430

Tot Ion:168 Resp: 187005

Ion Ratio Lower Upper

168 100

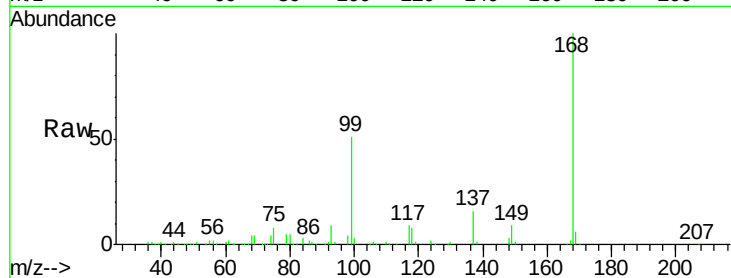
99 51.4 42.3 63.5

Manual Integrations

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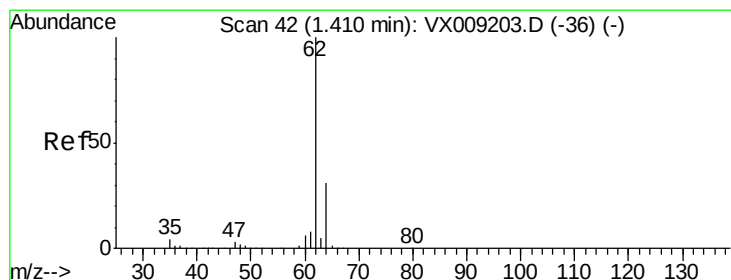
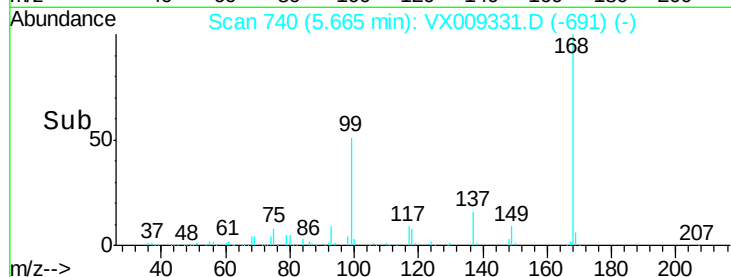
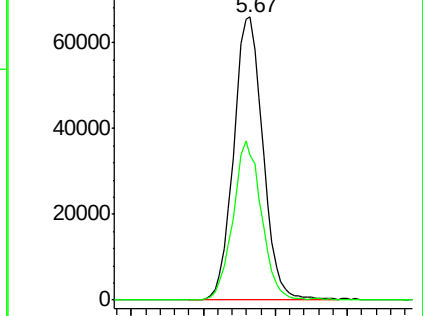
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 1.150 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009331.D

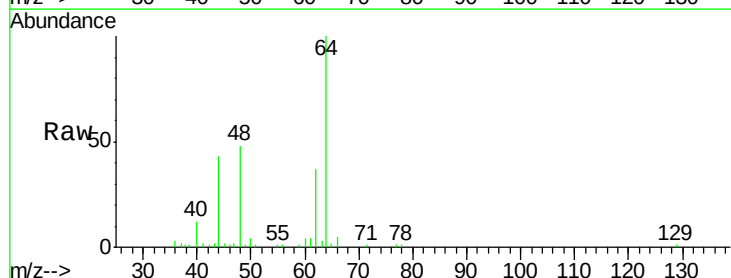
Acq: 03 May 2019 23:40

Tgt Ion: 62 Resp: 2638

Ion Ratio Lower Upper

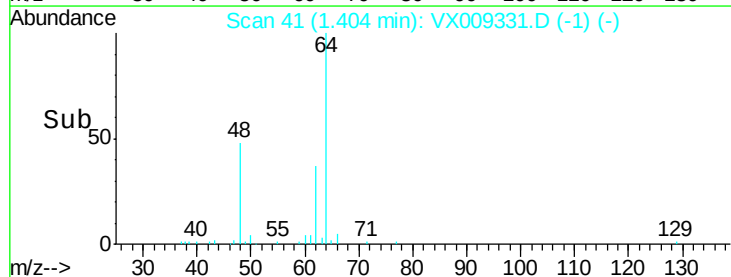
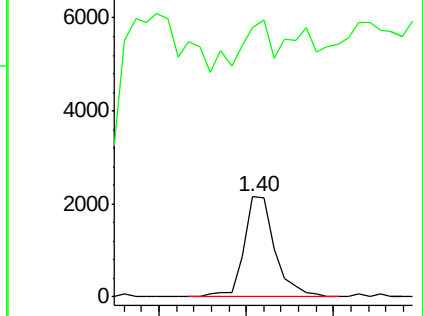
62 100

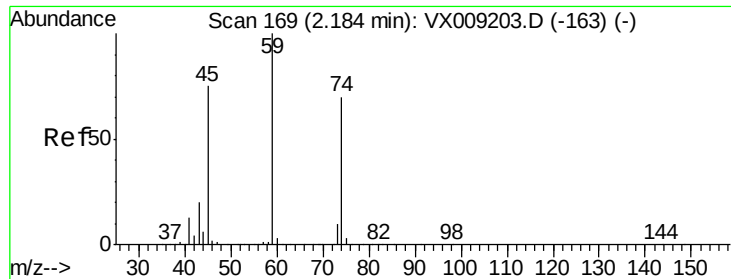
64 16.2 24.6 36.8#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#8

Diethyl Ether

Concen: 0.806 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.01 min

Lab File: VX009331.D

Acq: 03 May 2019 23:40

Instrument :

MSVOA\_X

ClientSampleId :

SS050MW513-190430

Tot Ion: 74 Resp: 1065

Ion Ratio Lower Upper

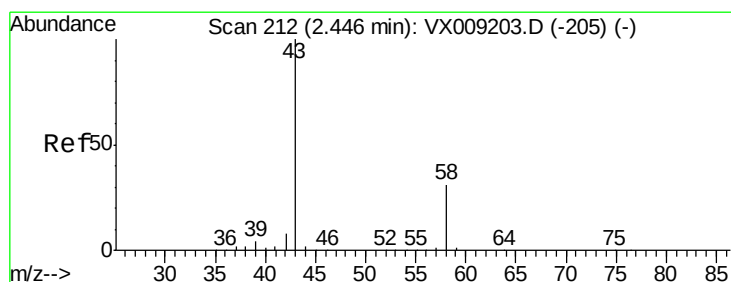
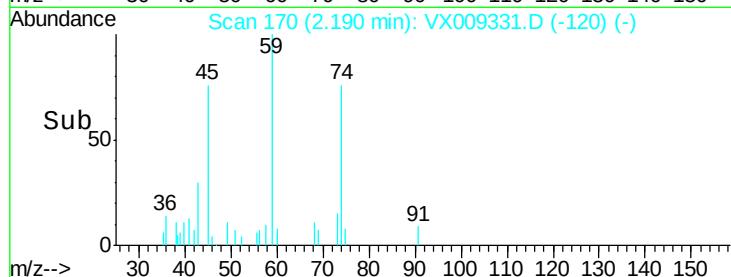
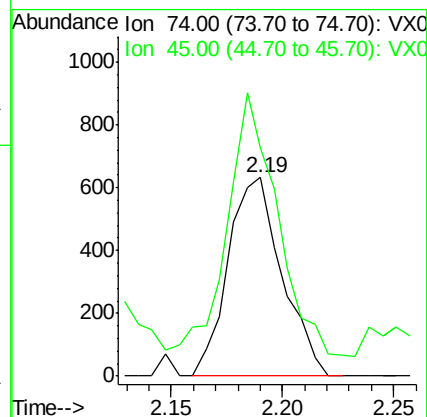
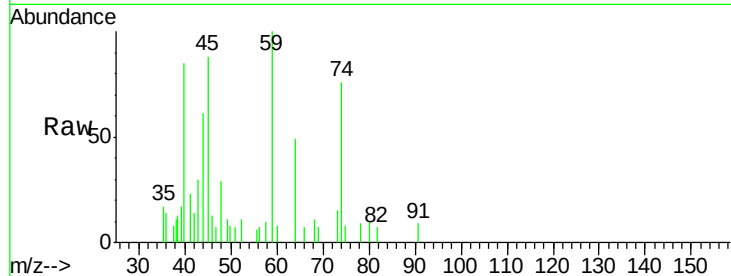
74 100

45 123.3 53.3 159.9

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#16

Acetone

Concen: 3.485 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009331.D

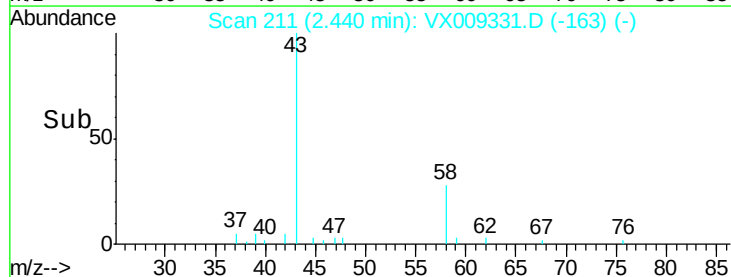
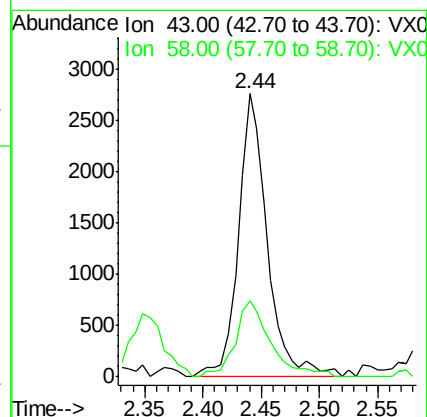
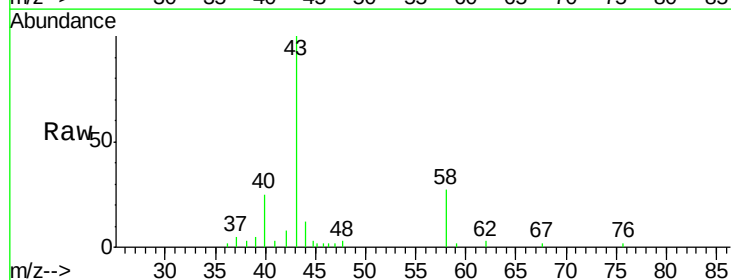
Acq: 03 May 2019 23:40

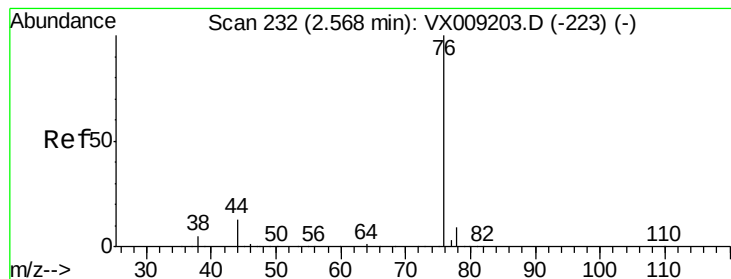
Tgt Ion: 43 Resp: 4777

Ion Ratio Lower Upper

43 100

58 26.8 24.9 37.3





#17

Carbon Disulfide

Concen: 5.284 ug/l m

RT: 2.64 min Scan# 243

Delta R.T. 0.07 min

Lab File: VX009331.D

Acq: 03 May 2019 23:40

Instrument :

MSVOA\_X

ClientSampleId :

SS050MW513-190430

Tot Ion: 76 Resp: 26032

Ion Ratio Lower Upper

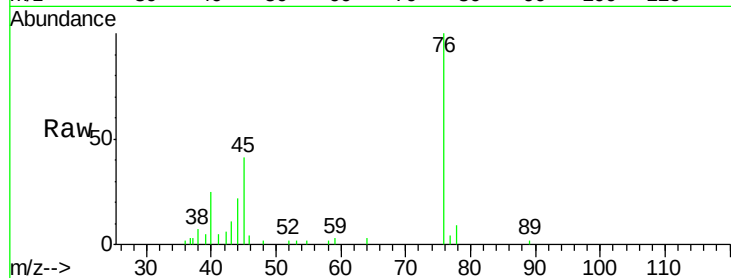
76 100

78 9.1 7.4 11.0

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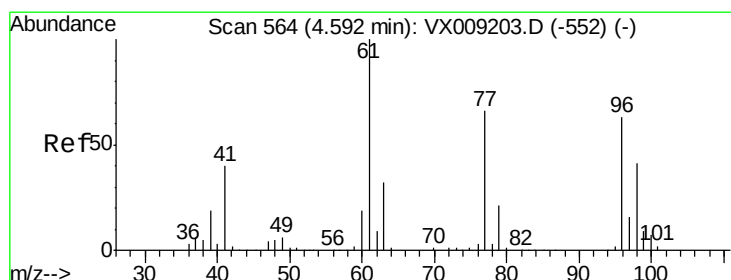
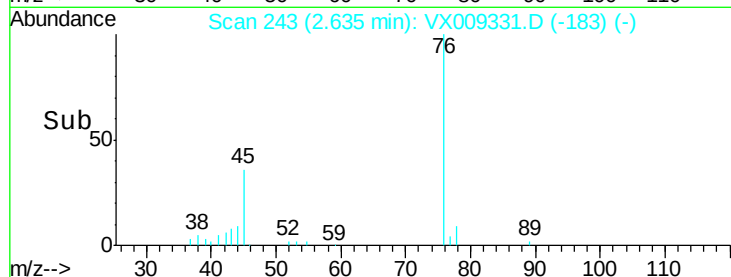
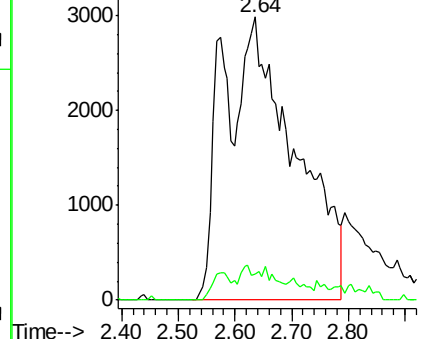
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 2.923 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.00 min

Lab File: VX009331.D

Acq: 03 May 2019 23:40

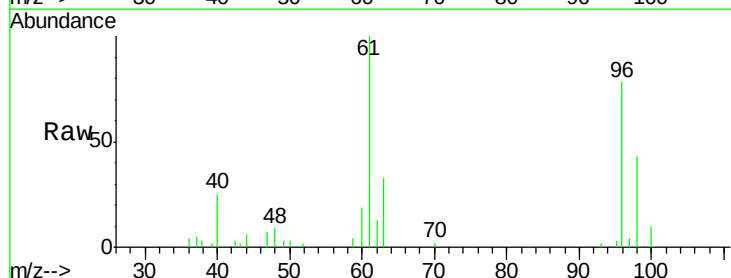
Tgt Ion: 96 Resp: 6639

Ion Ratio Lower Upper

96 100

61 139.8 0.0 324.0

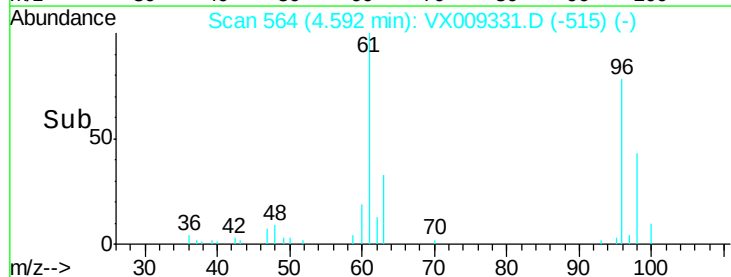
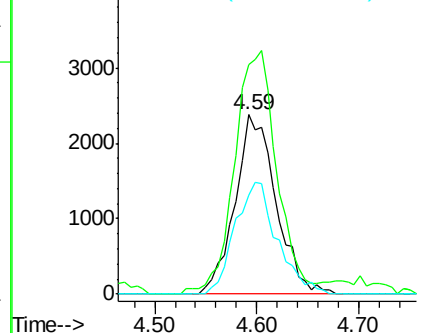
98 64.0 0.0 130.4

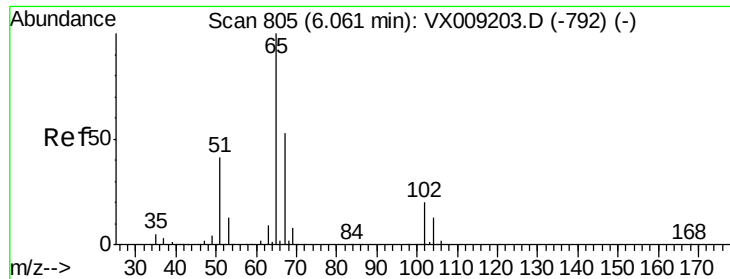


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





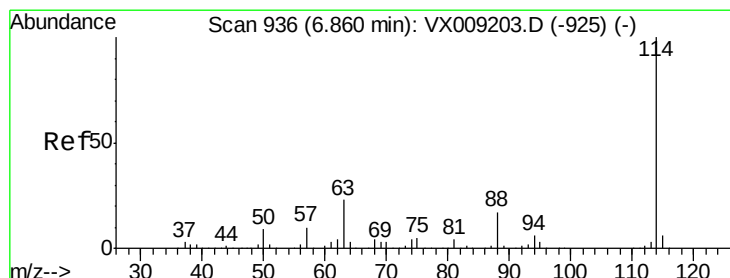
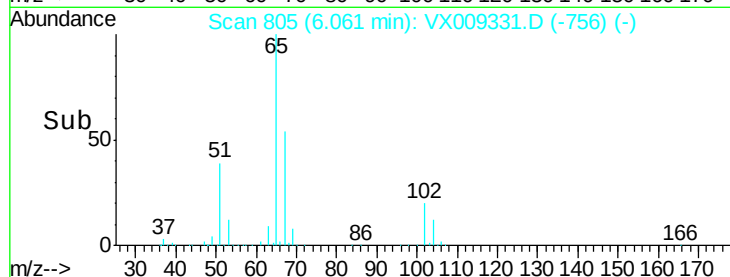
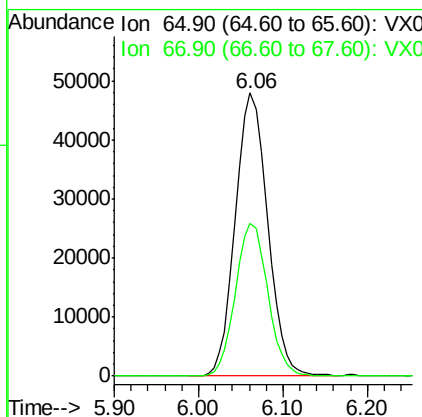
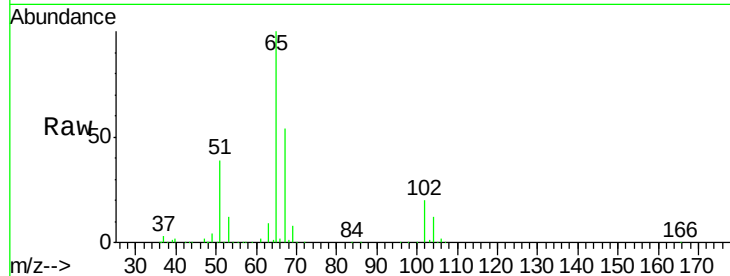
#33  
 1,2-Dichloroethane-d4  
 Concen: 48.912 ug/l  
 RT: 6.06 min Scan# 805  
 Delta R.T. -0.00 min  
 Lab File: VX009331.D  
 Acq: 03 May 2019 23:40

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW513-190430

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 54.2  | 0.0   | 106.6 |

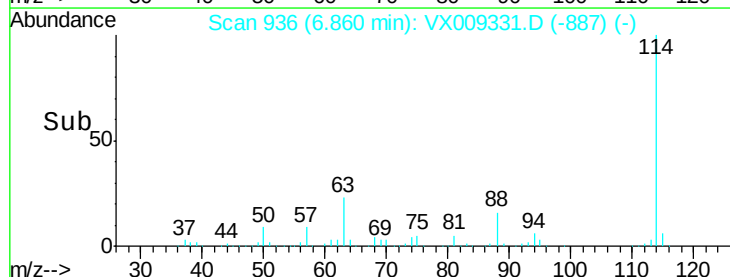
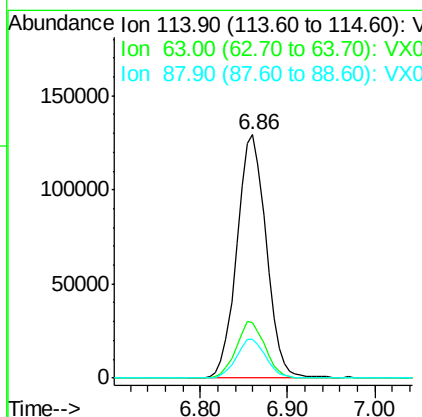
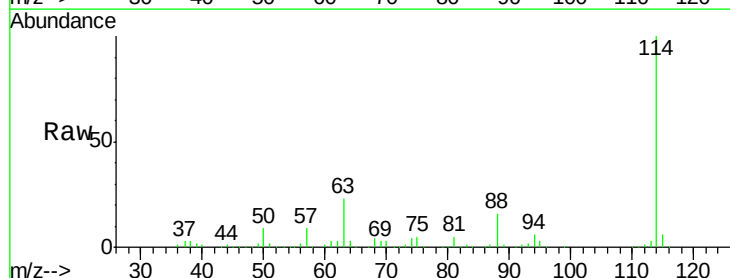
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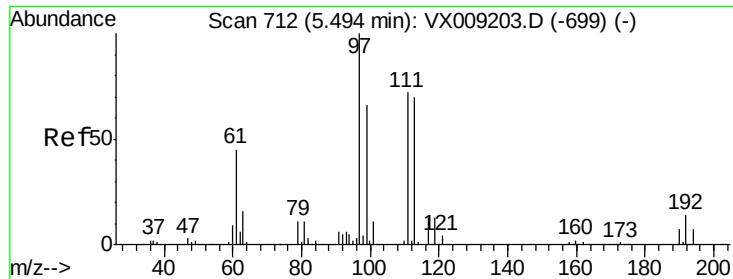
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX009331.D  
 Acq: 03 May 2019 23:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 22.8  | 0.0   | 45.6  |
| 88      | 15.9  | 0.0   | 33.2  |





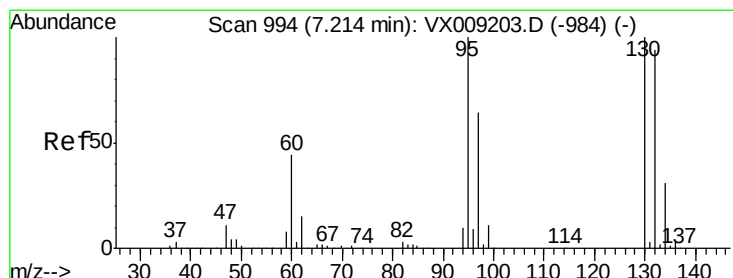
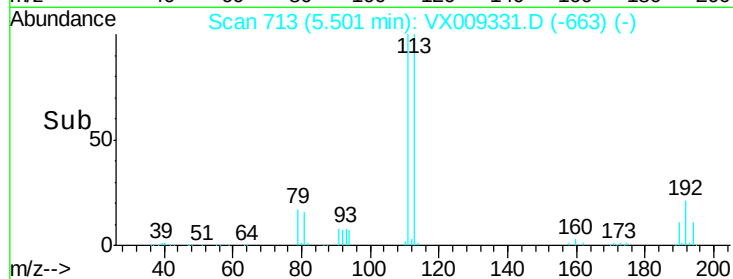
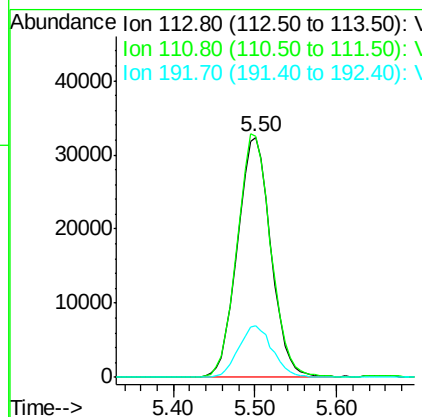
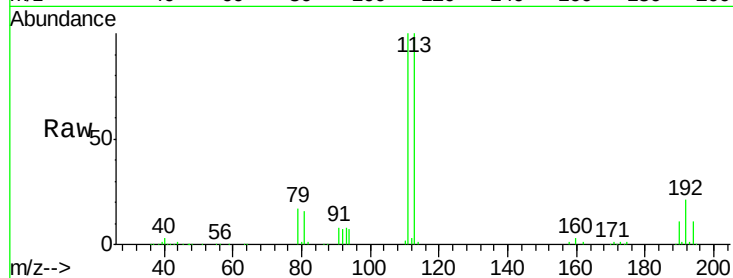
#35  
 Dibromofluoromethane  
 Concen: 48.480 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.01 min  
 Lab File: VX009331.D  
 Acq: 03 May 2019 23:40

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW513-190430

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.8 | 82.8  | 124.2 |
| 192     | 21.6  | 17.0  | 25.6  |

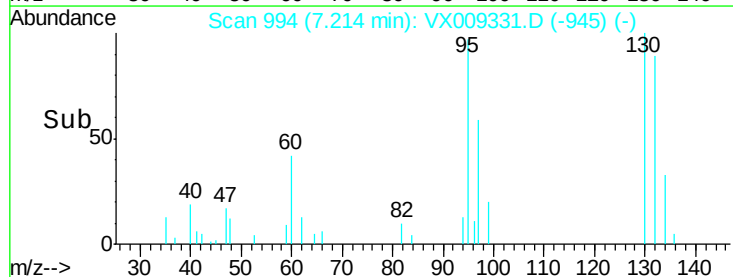
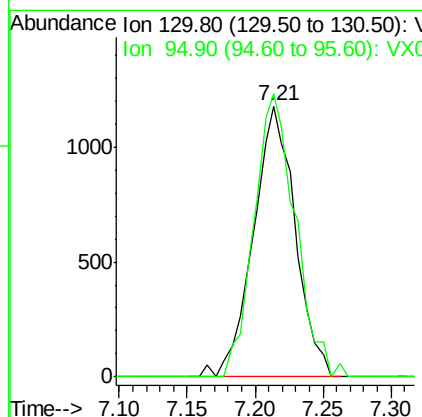
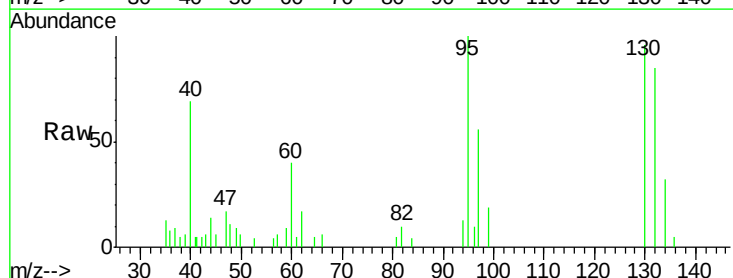
Manual Integrations  
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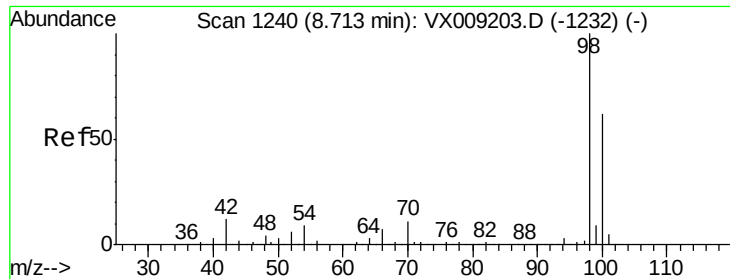
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 5/6/2019 9:25:00 AM



#44  
 Trichloroethene  
 Concen: 1.206 ug/l  
 RT: 7.21 min Scan# 994  
 Delta R.T. -0.00 min  
 Lab File: VX009331.D  
 Acq: 03 May 2019 23:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 104.4 | 0.0   | 199.2 |





#50

Toluene-d8

Concen: 48.911 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009331.D

Acq: 03 May 2019 23:40

Instrument :

MSVOA\_X

ClientSampleId :

SS050MW513-190430

Tot Ion: 98 Resp: 375252

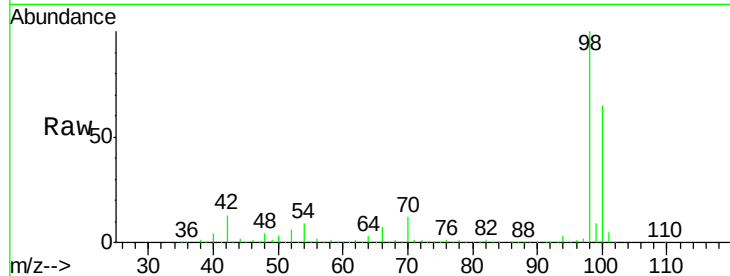
Ion Ratio Lower Upper

98 100

100 64.6 51.2 76.8

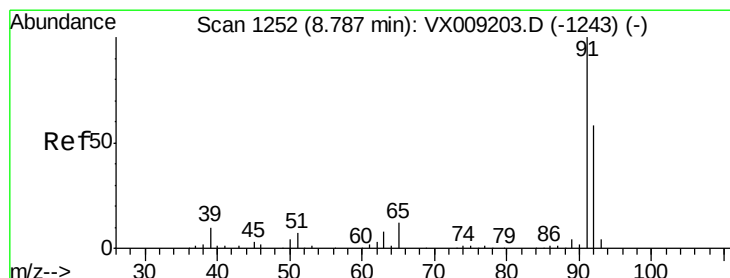
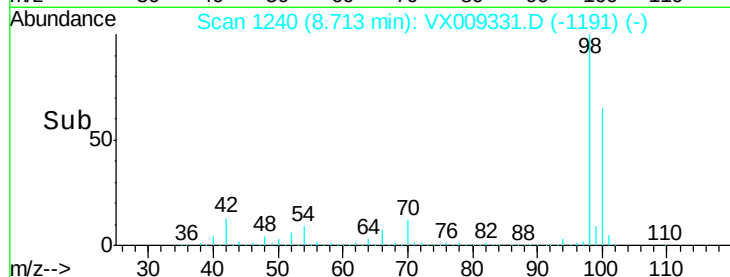
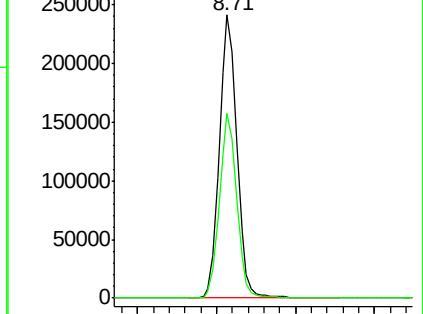
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Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#52

Toluene

Concen: 0.636 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009331.D

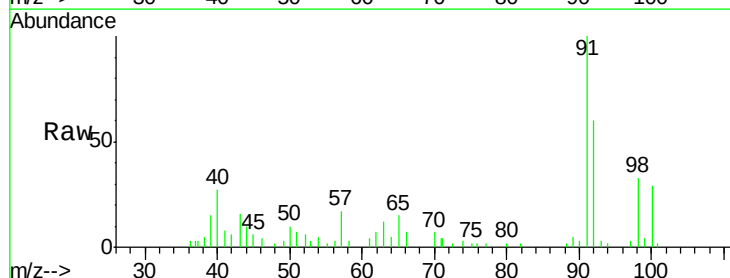
Acq: 03 May 2019 23:40

Tgt Ion: 92 Resp: 3362

Ion Ratio Lower Upper

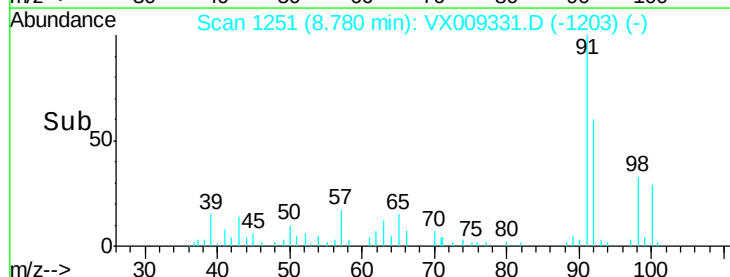
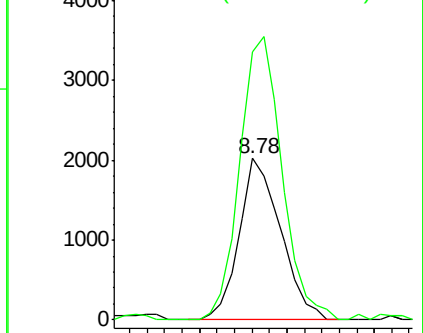
92 100

91 177.9 138.8 208.2

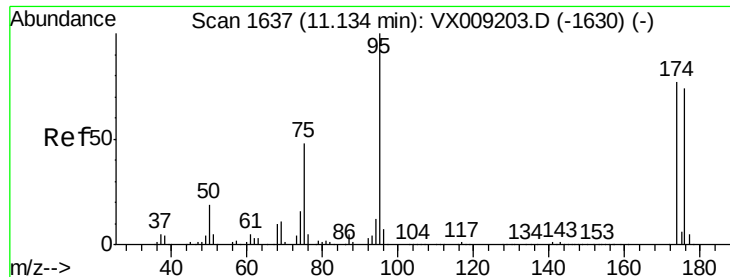


Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0







#62

4-Bromofluorobenzene

Concen: 44.902 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009331.D

Acq: 03 May 2019 23:40

Instrument :

MSVOA\_X

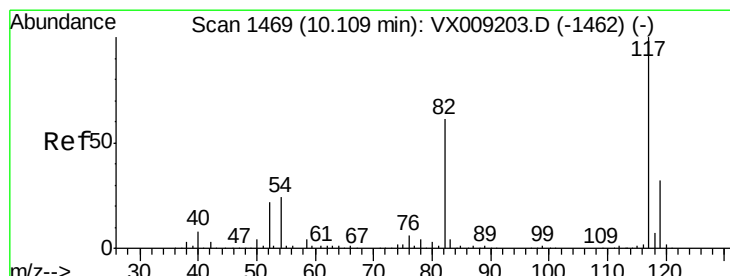
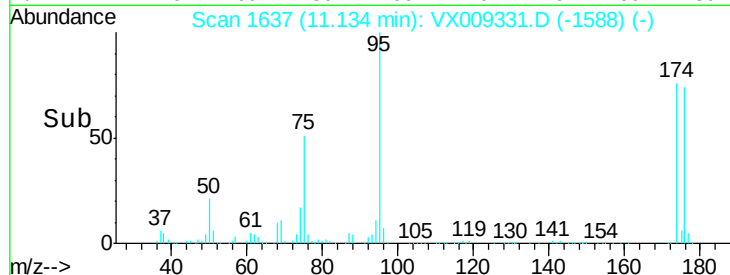
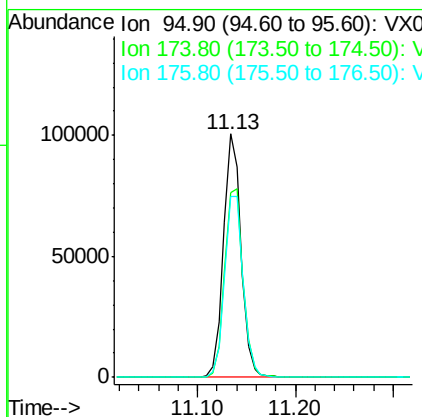
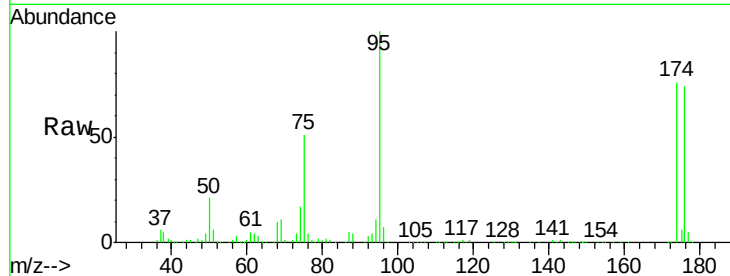
ClientSampleId :

SS050MW513-190430

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 95    | Resp: | 125175 |
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 81.6  | 0.0   | 161.6  |
| 176       | 79.2  | 0.0   | 159.2  |

Manual Integrations  
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5/6/2019 9:25:00 AM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

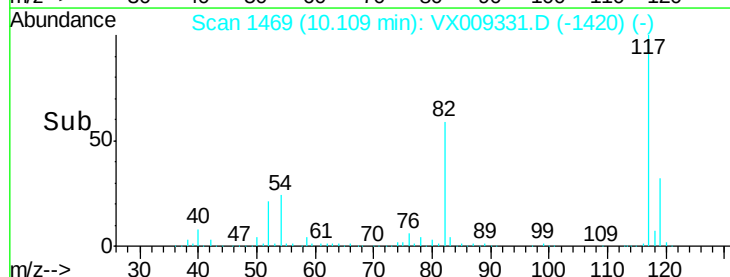
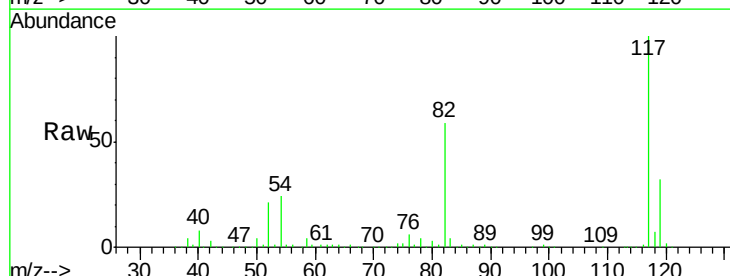
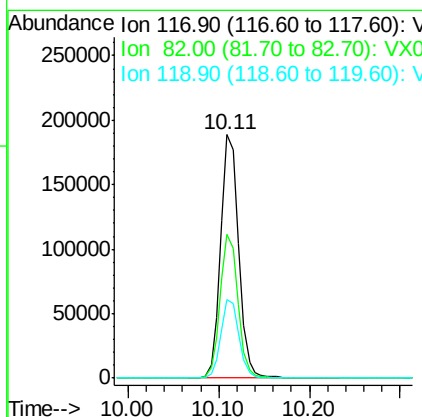
RT: 10.11 min Scan# 1469

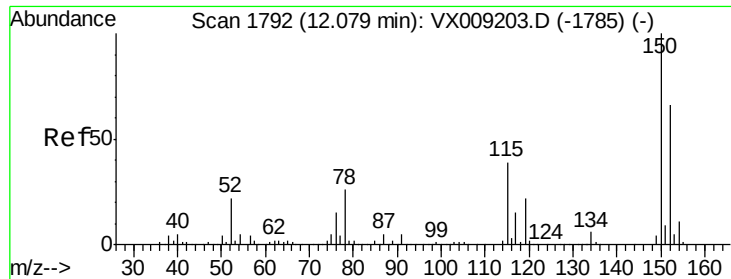
Delta R.T. -0.00 min

Lab File: VX009331.D

Acq: 03 May 2019 23:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 263089 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 59.3  | 48.8  | 73.2   |
| 119       | 32.1  | 25.8  | 38.6   |





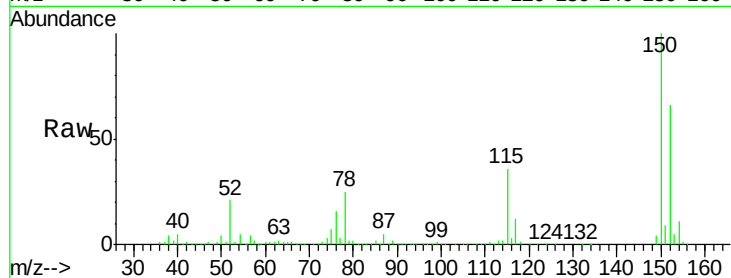
#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.08 min Scan# 1792  
 Delta R.T. -0.00 min  
 Lab File: VX009331.D  
 Acq: 03 May 2019 23:40

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS050MW513-190430

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 152     | 100   | 116587 |       |       |
| 115     | 58.5  | 41.2   | 123.6 |       |
| 150     | 156.7 | 0.0    | 346.4 |       |

Manual Integrations  
 APPROVED

MMDadoda  
 5/6/2019 9:25:00 AM



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

