

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073118\  
 Data File : VX003762.D  
 Acq On : 31 Jul 2018 20:21  
 Operator : JC/SP  
 Sample : J4109-06  
 Misc : 10.17G/5.0mL/MSVOA X/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SB-11(8-10)

Manual Integrations  
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 8/1/2018 6:39:27 PM

Quant Time: Aug 01 03:46:38 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X073018S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 31 11:17:41 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 121351   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 189374   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 136220   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 62080    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 67081    | 54.66 | ug/l    | -0.01    |
| Spiked Amount               |       |      | Recovery | =     | 109.32% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 56767    | 50.91 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.82% |          |
| 50) Toluene-d8              | 8.72  | 98   | 185780   | 39.96 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 79.92%  |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 63726    | 37.18 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 74.36%  |          |

| Target Compounds           | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|----------------------------|-------|------|----------|-------|-------|--------|
| 16) Acetone                | 2.45  | 43   | 27167    | 57.95 | ug/l  | 99     |
| 17) Carbon Disulfide       | 2.57  | 76   | 5987     | 1.70  | ug/l  | 96     |
| 25) 2-Butanone             | 4.69  | 43   | 8864     | 12.97 | ug/l  | 94     |
| 40) Benzene                | 6.15  | 78   | 217511   | 42.80 | ug/l  | 94     |
| 80) 1,3,5-Trimethylbenzene | 11.51 | 105  | 6157m    | 1.86  | ug/l  |        |
| 83) tert-Butylbenzene      | 11.77 | 119  | 10958    | 3.34  | ug/l  | 84     |
| 84) 1,2,4-Trimethylbenzene | 11.81 | 105  | 14310    | 4.19  | ug/l  | 94     |
| 95) Naphthalene            | 13.83 | 128  | 294070   | 90.88 | ug/l  | 99     |

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

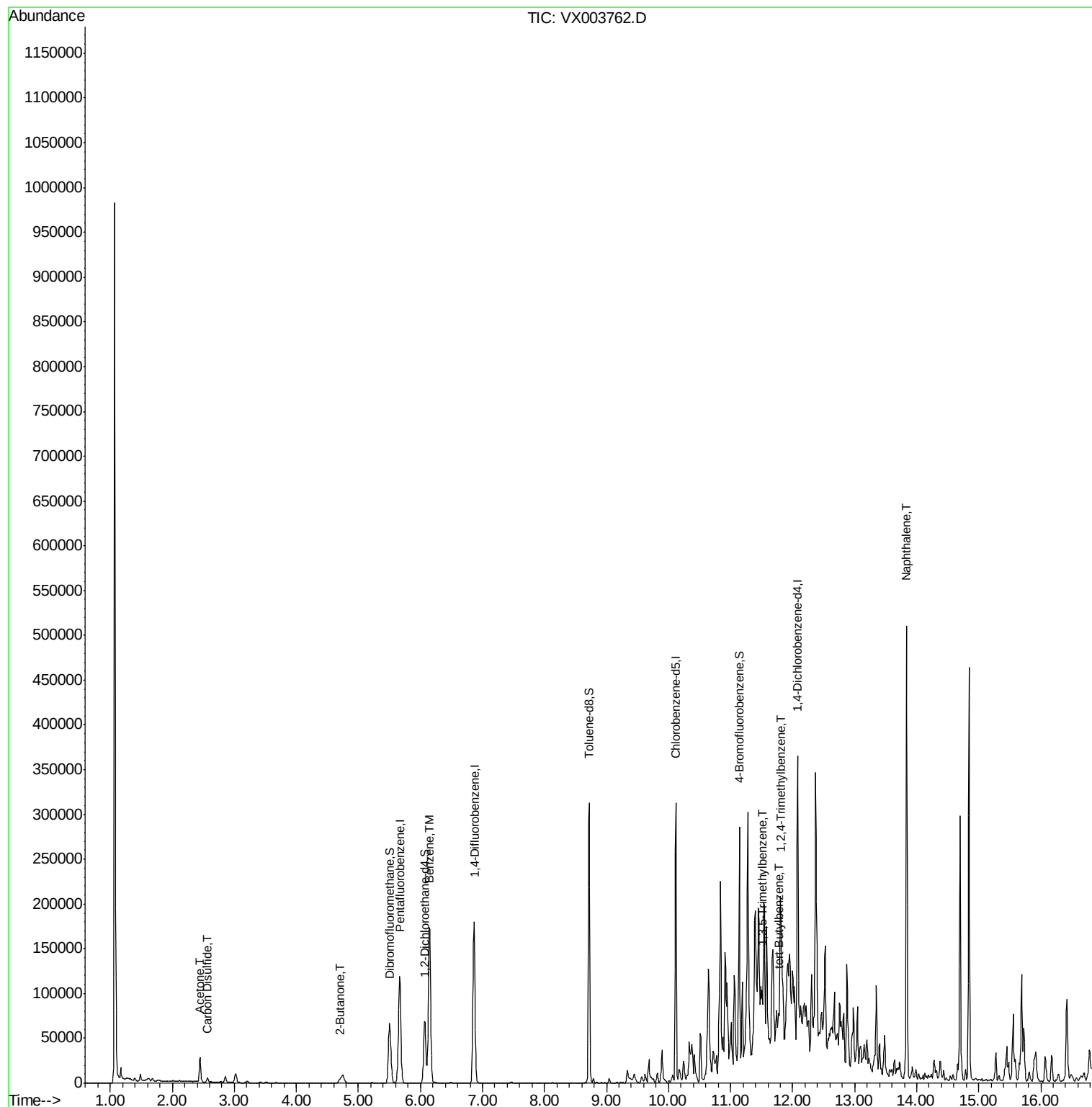
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX073118\  
Data File : VX003762.D  
Acq On : 31 Jul 2018 20:21  
Operator : JC/SP  
Sample : J4109-06  
Misc : 10.17G/5.0mL/MSVOA X/SOIL  
ALS Vial : 17 Sample Multiplier: 1

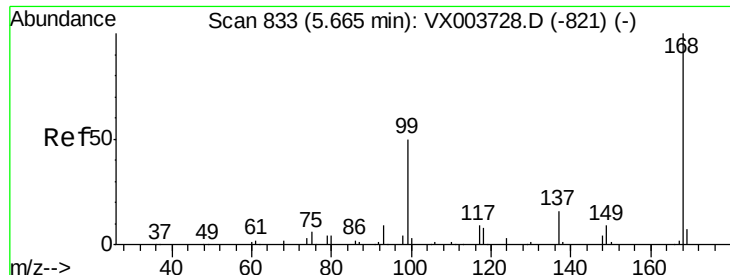
Instrument :  
MSVOA\_X  
ClientSampleId :  
SB-11(8-10)

Manual Integrations  
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8/1/2018 6:39:27 PM

Quant Time: Aug 01 03:46:38 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X073018S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 31 11:17:41 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003762.D

Acq: 31 Jul 2018 20:21

Instrument :

MSVOA\_X

ClientSampleId :

SB-11(8-10)

Tot Ion:168 Resp: 121351

Ion Ratio Lower Upper

168 100

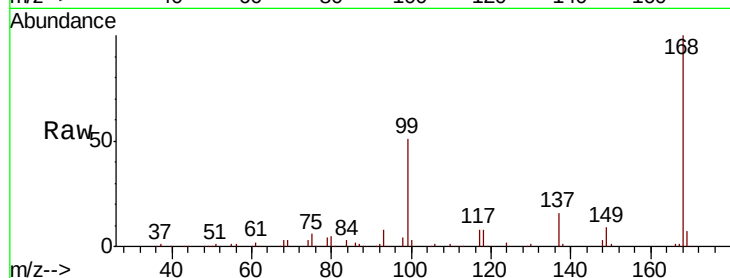
99 50.9 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

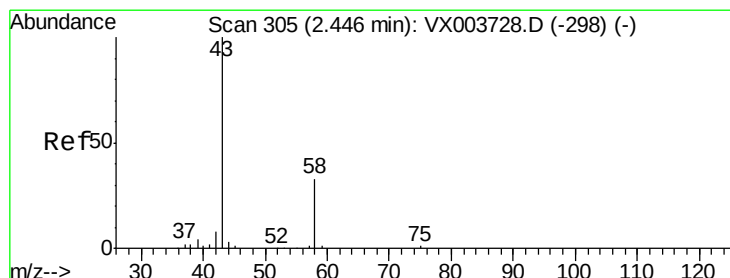
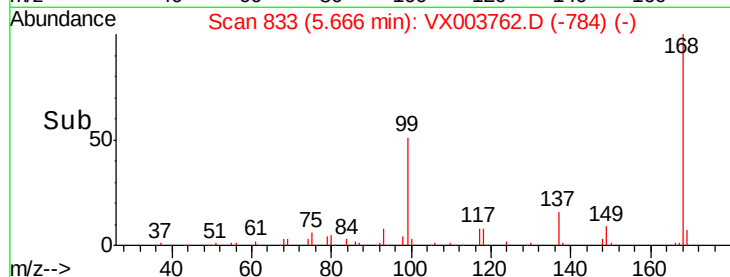
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 57.95 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003762.D

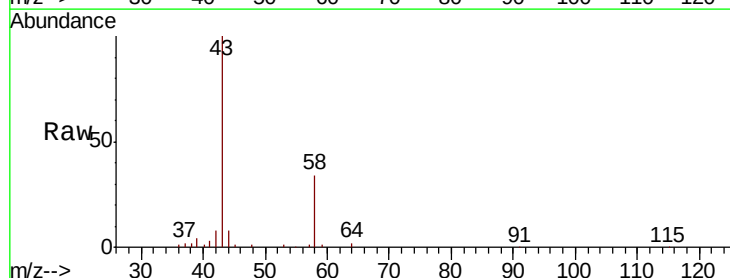
Acq: 31 Jul 2018 20:21

Tgt Ion: 43 Resp: 27167

Ion Ratio Lower Upper

43 100

58 34.1 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

20000

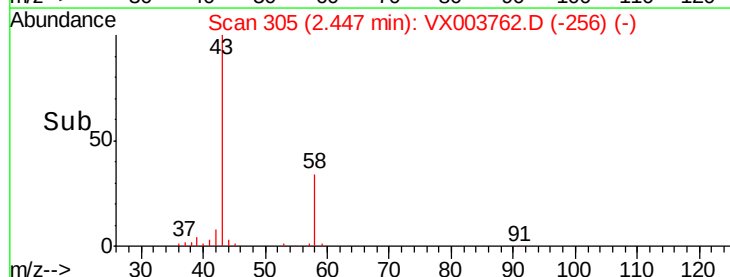
15000

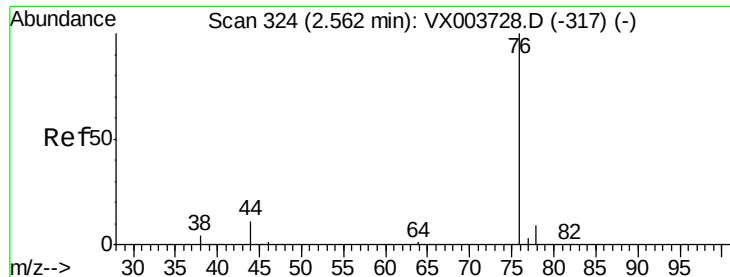
10000

5000

0

Time--> 2.35 2.40 2.45 2.50 2.55





#17

Carbon Disulfide

Concen: 1.70 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003762.D

Acq: 31 Jul 2018 20:21

Instrument :

MSVOA\_X

ClientSampleId :

SB-11(8-10)

Tot Ion: 76 Resp: 5987

Ion Ratio Lower Upper

76 100

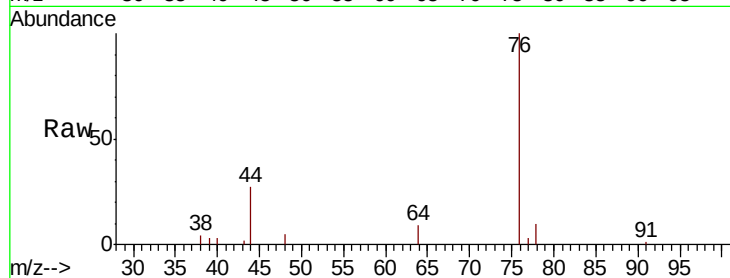
78 10.4 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

4000

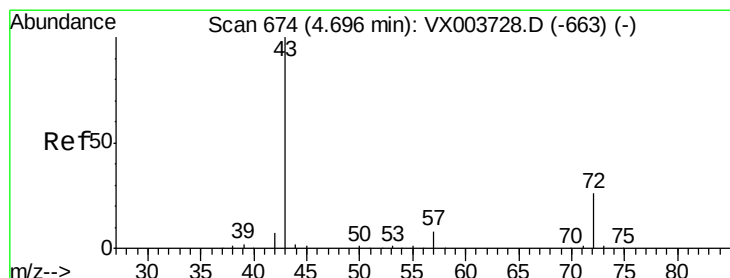
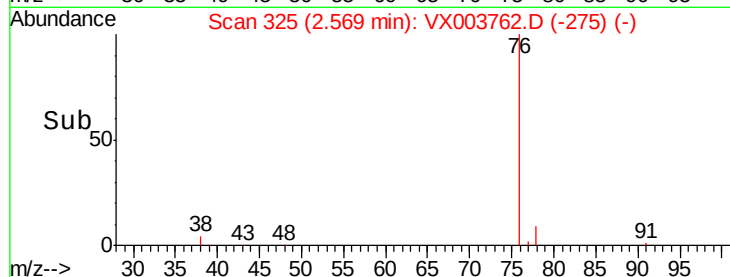
3000

2000

1000

0

Time-->



#25

2-Butanone

Concen: 12.97 ug/l

RT: 4.69 min Scan# 673

Delta R.T. -0.01 min

Lab File: VX003762.D

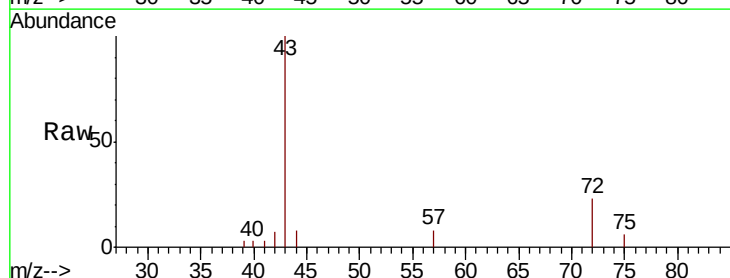
Acq: 31 Jul 2018 20:21

Tgt Ion: 43 Resp: 8864

Ion Ratio Lower Upper

43 100

72 23.0 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.69

3000

2500

2000

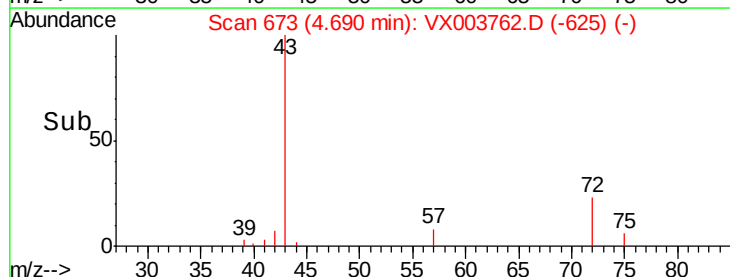
1500

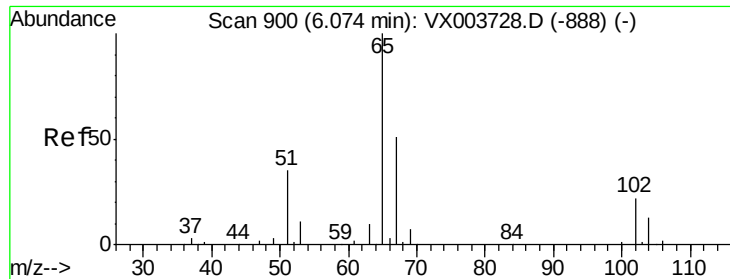
1000

500

0

Time-->





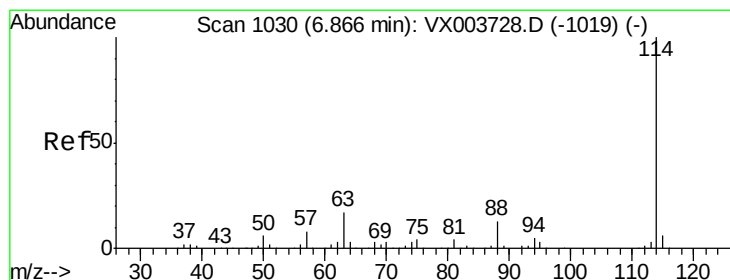
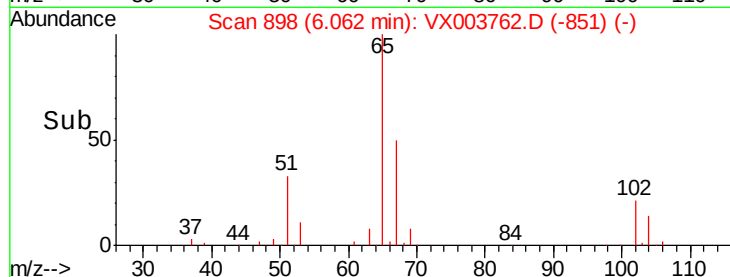
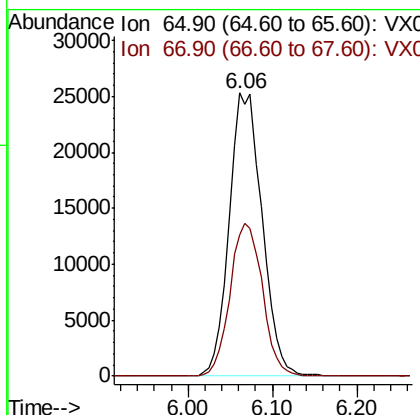
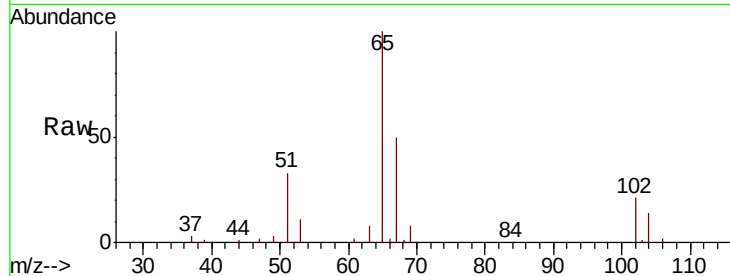
#33  
 1,2-Dichloroethane-d4  
 Concen: 54.66 ug/l  
 RT: 6.06 min Scan# 898  
 Delta R.T. -0.01 min  
 Lab File: VX003762.D  
 Acq: 31 Jul 2018 20:21

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 SB-11(8-10)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 52.9  | 0.0   | 107.0 |

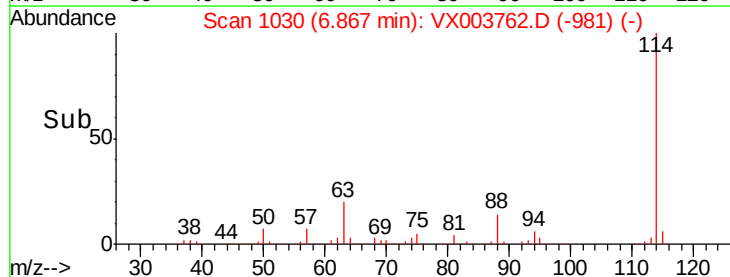
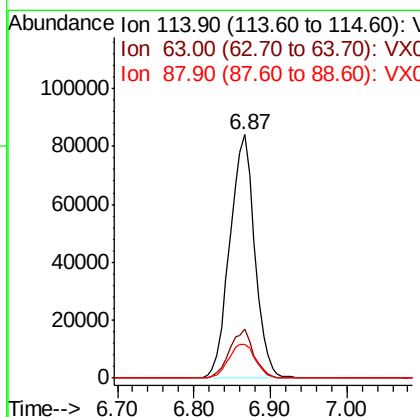
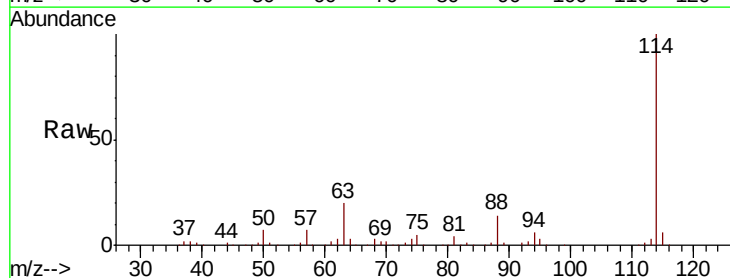
Manual Integrations  
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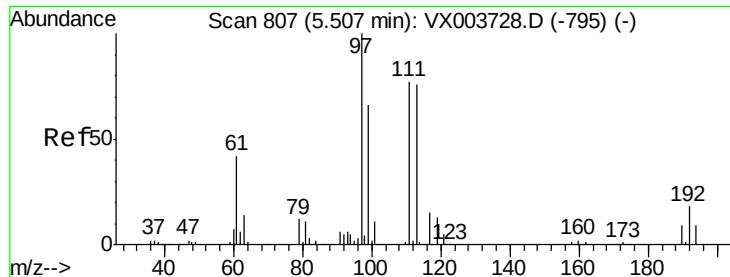
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#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. 0.00 min  
 Lab File: VX003762.D  
 Acq: 31 Jul 2018 20:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.9  | 0.0   | 34.0  |
| 88      | 13.9  | 0.0   | 26.4  |





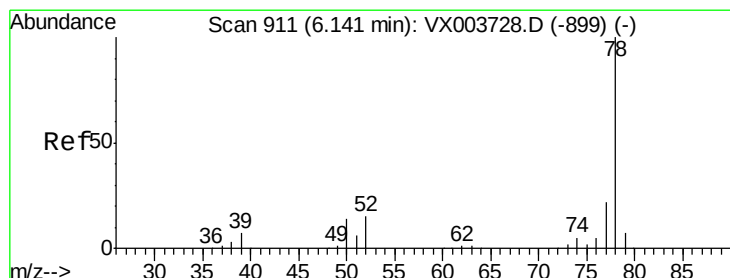
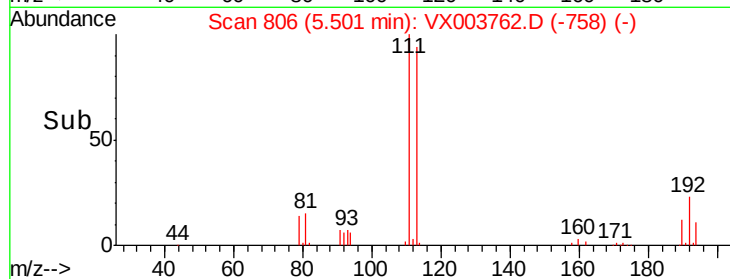
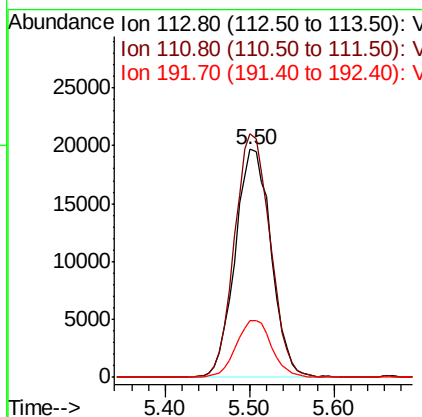
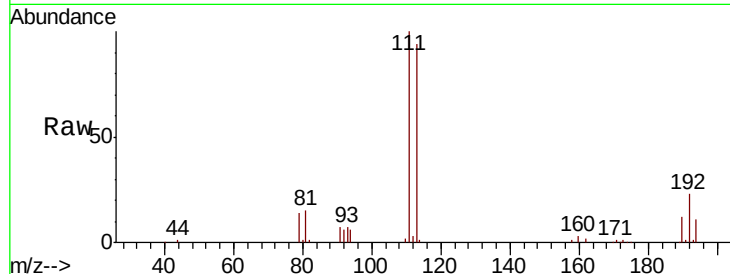
#35  
 Dibromofluoromethane  
 Concen: 50.91 ug/l  
 RT: 5.50 min Scan# 806  
 Delta R.T. -0.01 min  
 Lab File: VX003762.D  
 Acq: 31 Jul 2018 20:21

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 SB-11(8-10)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 106.1 | 81.8  | 122.6 |
| 192     | 24.5  | 18.8  | 28.2  |

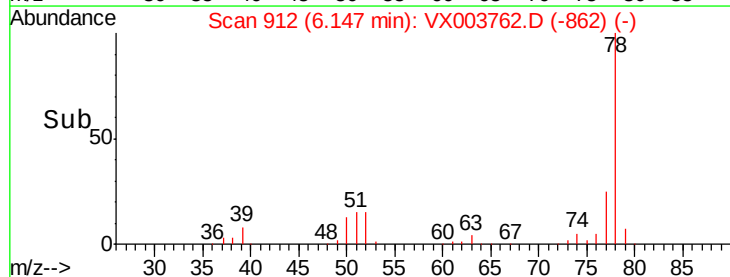
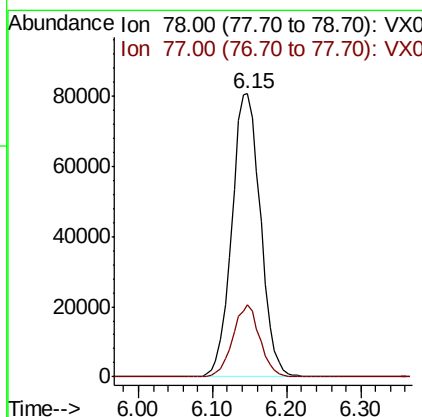
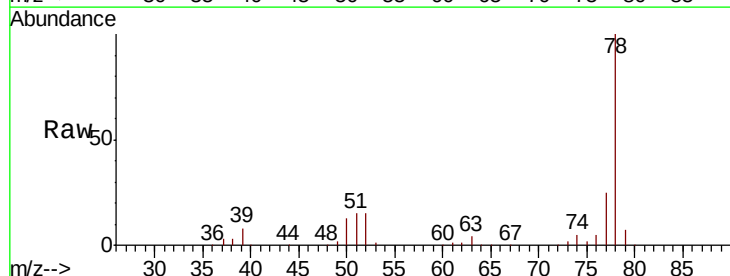
Manual Integrations  
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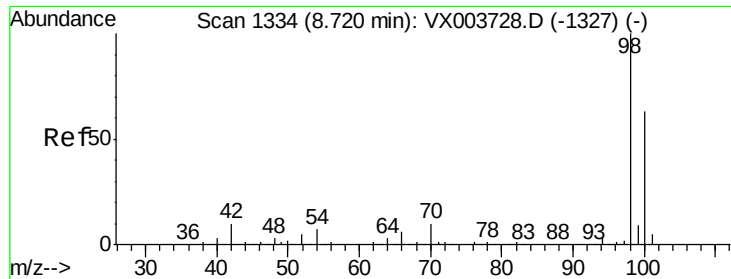
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#40  
 Benzene  
 Concen: 42.80 ug/l  
 RT: 6.15 min Scan# 912  
 Delta R.T. 0.01 min  
 Lab File: VX003762.D  
 Acq: 31 Jul 2018 20:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 25.3  | 17.9  | 26.9  |





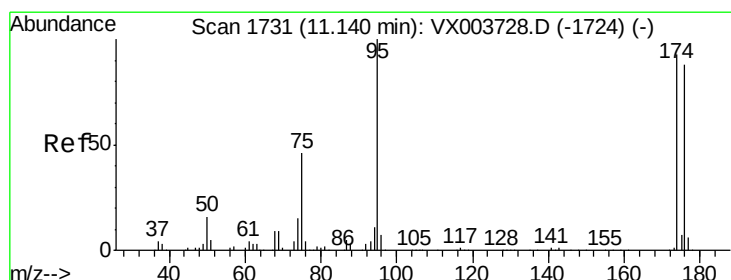
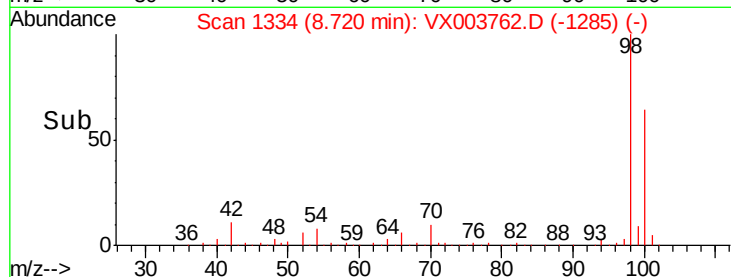
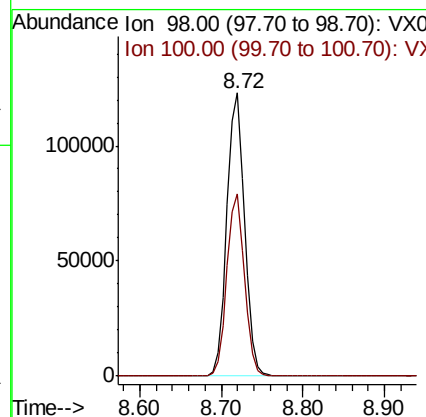
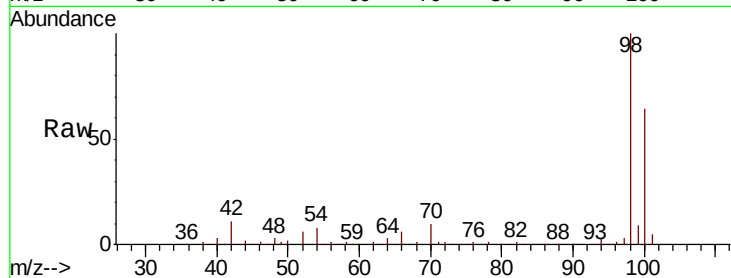
#50  
Toluene-d8  
Concen: 39.96 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. 0.00 min  
Lab File: VX003762.D  
Acq: 31 Jul 2018 20:21

Instrument :  
MSVOA\_X  
ClientSampled :  
SB-11(8-10)

Tot Ion: 98 Resp: 185780  
Ion Ratio Lower Upper  
98 100  
100 64.0 51.4 77.0

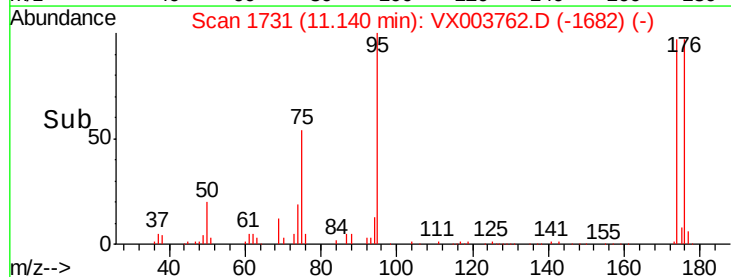
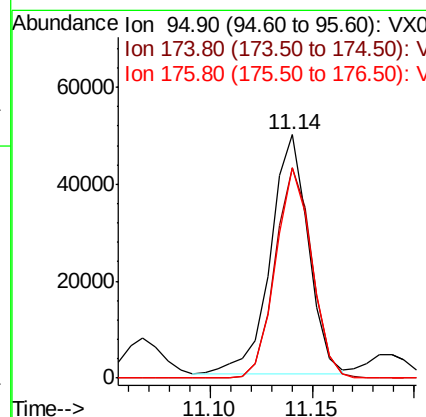
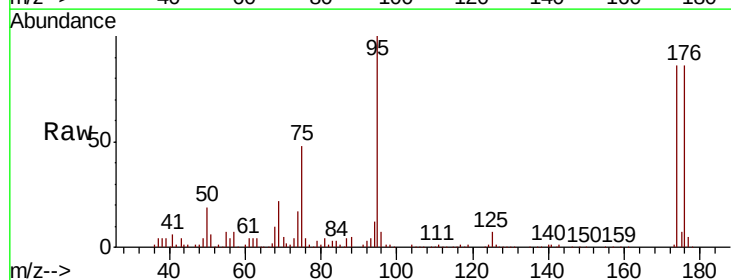
Manual Integrations  
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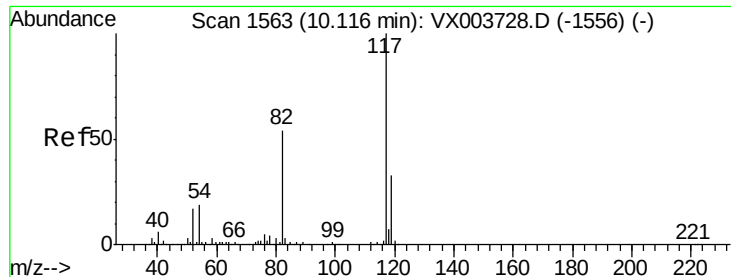
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#62  
4-Bromofluorobenzene  
Concen: 37.18 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. 0.00 min  
Lab File: VX003762.D  
Acq: 31 Jul 2018 20:21

Tgt Ion: 95 Resp: 63726  
Ion Ratio Lower Upper  
95 100  
174 85.9 0.0 186.2  
176 84.3 0.0 179.2





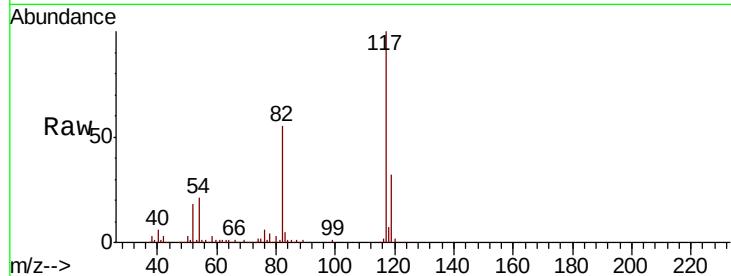
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. 0.00 min  
Lab File: VX003762.D  
Acq: 31 Jul 2018 20:21

Instrument :  
MSVOA\_X  
ClientSampled :  
SB-11(8-10)

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 136220 |       |       |
| 82      | 54.8  | 43.2   | 64.8  |       |
| 119     | 31.9  | 26.3   | 39.5  |       |

Manual Integrations  
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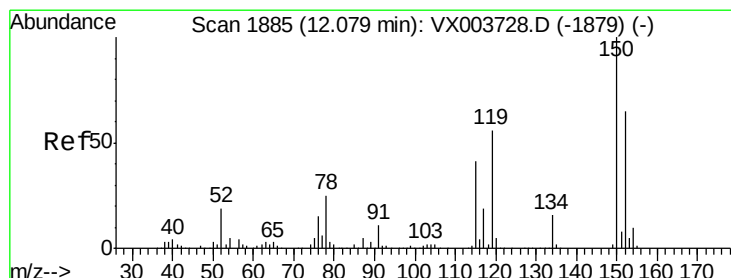
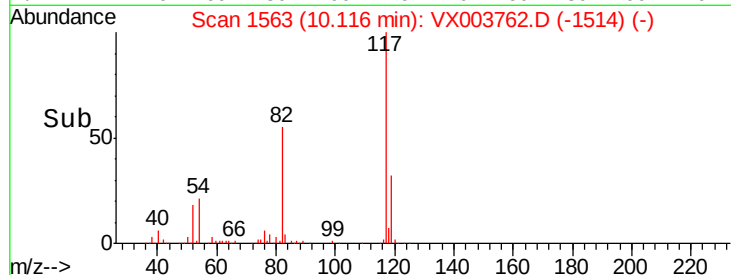
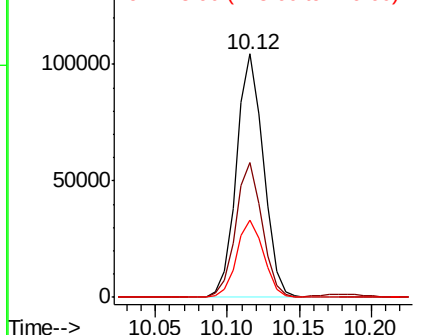


Abundance

Ion 116.90 (116.60 to 117.60): V

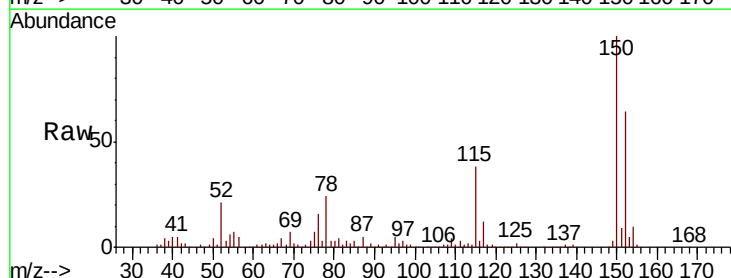
Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.08 min Scan# 1885  
Delta R.T. 0.00 min  
Lab File: VX003762.D  
Acq: 31 Jul 2018 20:21

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 152     | 100   | 62080 |       |       |
| 115     | 56.3  | 38.5  | 115.3 |       |
| 150     | 156.2 | 0.0   | 346.2 |       |

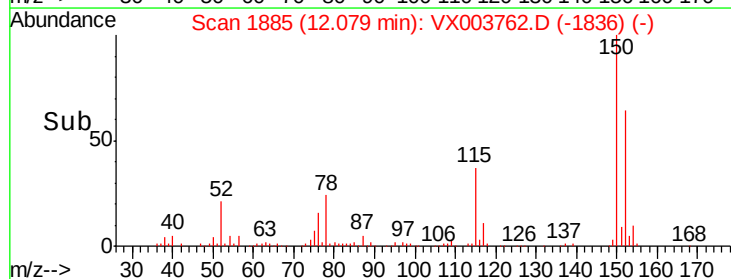
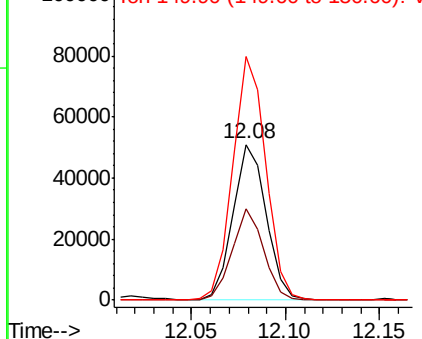


Abundance

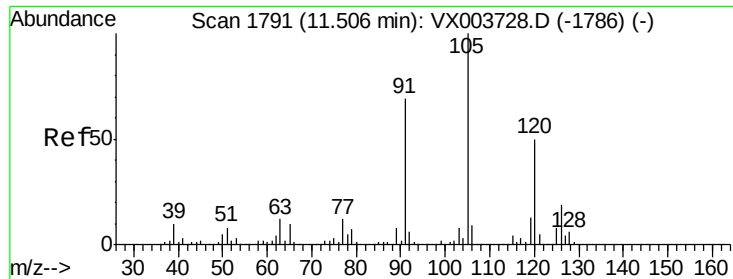
Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V







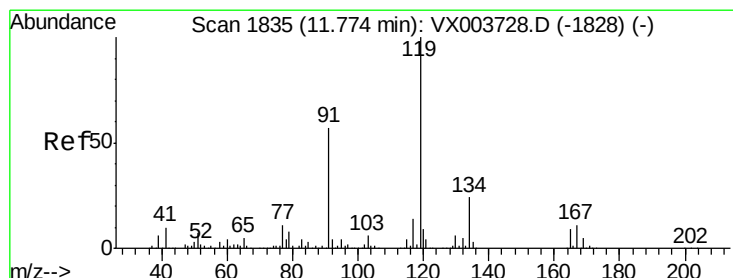
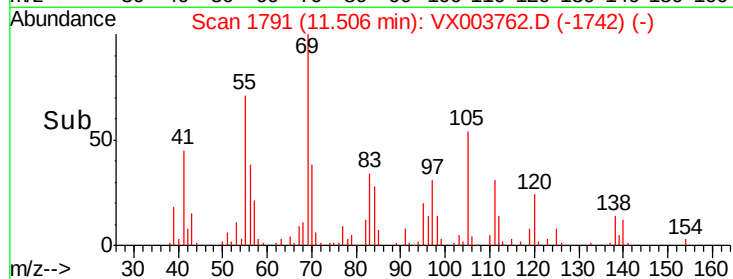
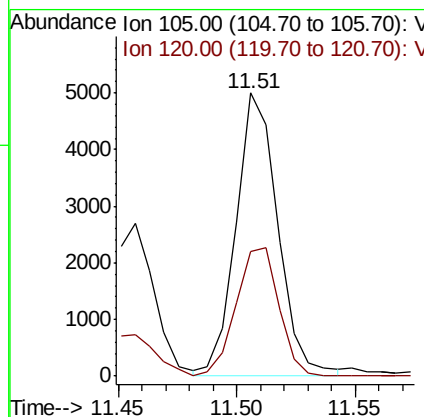
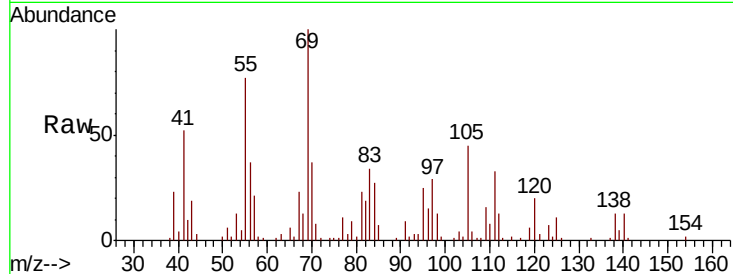
#80  
 1,3,5-Trimethylbenzene  
 Concen: 1.86 ug/l m  
 RT: 11.51 min Scan# 1791  
 Delta R.T. 0.00 min  
 Lab File: VX003762.D  
 Acq: 31 Jul 2018 20:21

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 SB-11(8-10)

Tot Ion:105 Resp: 6157  
 Ion Ratio Lower Upper  
 105 100  
 120 32.4 15.8 47.4

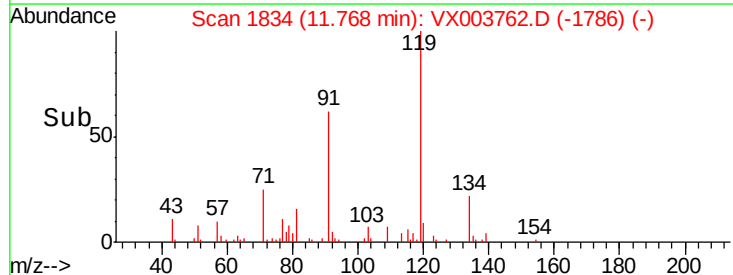
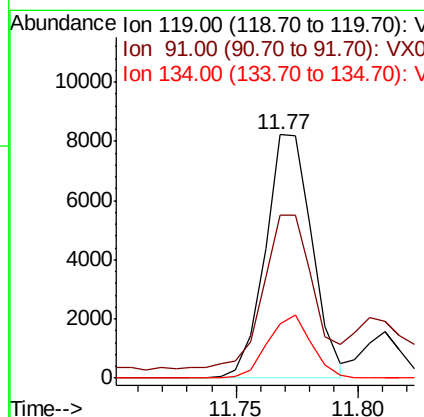
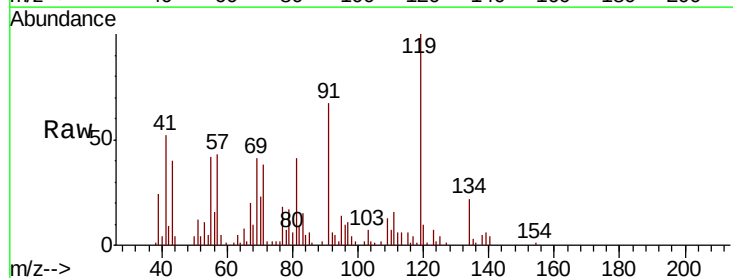
Manual Integrations  
 APPROVED

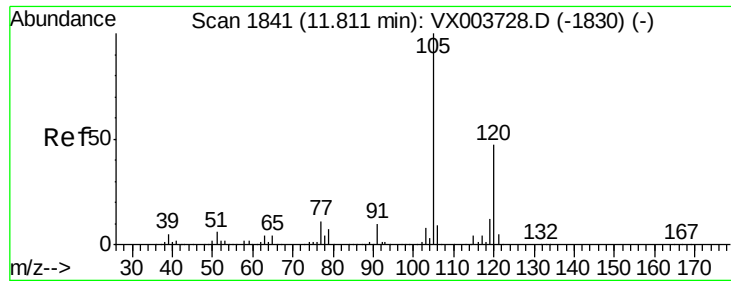
apatel  
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#83  
 tert-Butylbenzene  
 Concen: 3.34 ug/l  
 RT: 11.77 min Scan# 1834  
 Delta R.T. -0.01 min  
 Lab File: VX003762.D  
 Acq: 31 Jul 2018 20:21

Tgt Ion:119 Resp: 10958  
 Ion Ratio Lower Upper  
 119 100  
 91 69.7 27.2 81.6  
 134 24.4 11.6 34.8





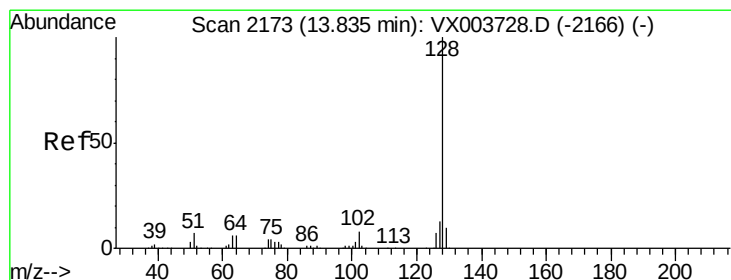
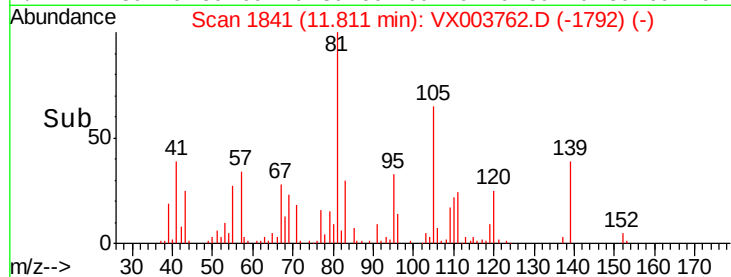
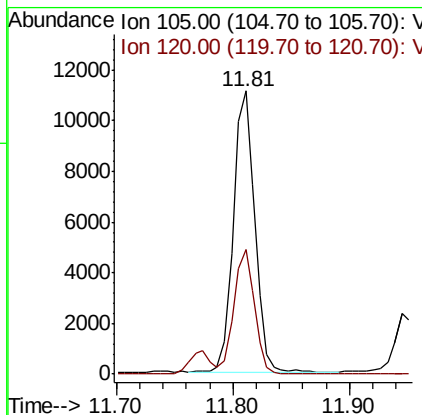
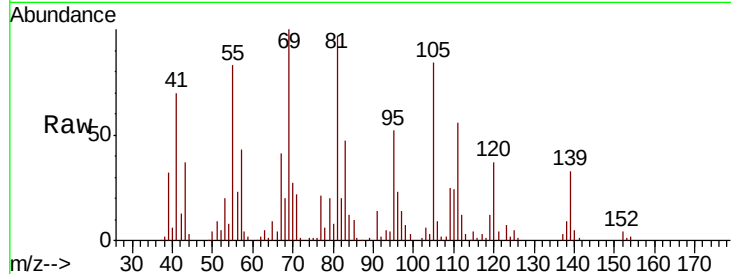
#84  
 1,2,4-Trimethylbenzene  
 Concen: 4.19 ug/l  
 RT: 11.81 min Scan# 1841  
 Delta R.T. 0.00 min  
 Lab File: VX003762.D  
 Acq: 31 Jul 2018 20:21

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 SB-11(8-10)

Tot Ion:105 Resp: 14310  
 Ion Ratio Lower Upper  
 105 100  
 120 42.2 23.1 69.2

Manual Integrations  
 APPROVED

apatel  
 8/1/2018 6:39:27 PM



#95  
 Naphthalene  
 Concen: 90.88 ug/l  
 RT: 13.83 min Scan# 2173  
 Delta R.T. 0.00 min  
 Lab File: VX003762.D  
 Acq: 31 Jul 2018 20:21

Tgt Ion:128 Resp: 294070  
 Ion Ratio Lower Upper  
 128 100  
 127 12.9 10.2 15.2  
 129 11.1 8.7 13.1

