

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030219\  
 Data File : VN054043.D  
 Acq On : 1 Mar 2019 21:29  
 Operator : JC/SP  
 Sample : K1675-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 Z-3-11-A

Manual Integrations  
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 3/4/2019 1:53:53 PM

Quant Time: Mar 02 05:44:42 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N022519W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 28 04:05:45 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.67   | 168  | 623216   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59   | 114  | 1142341  | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41  | 117  | 1113418  | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35  | 152  | 409505   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65   | 404782   | 55.41 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 110.82% |          |
| 35) Dibromofluoromethane    | 7.59   | 113  | 360269   | 48.77 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 97.54%  |          |
| 50) Toluene-d8              | 10.09  | 98   | 1449060  | 52.70 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 105.40% |          |
| 62) 4-Bromofluorobenzene    | 12.40  | 95   | 489757   | 53.46 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 106.92% |          |
| Target Compounds            |        |      |          |       |         |          |
| 20) Methylene Chloride      | 4.55   | 84   | 39600    | 5.477 | ug/l    | 90       |
| 43) Isopropyl Acetate       | 8.19   | 43   | 44711m   | 3.491 | ug/l    |          |

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

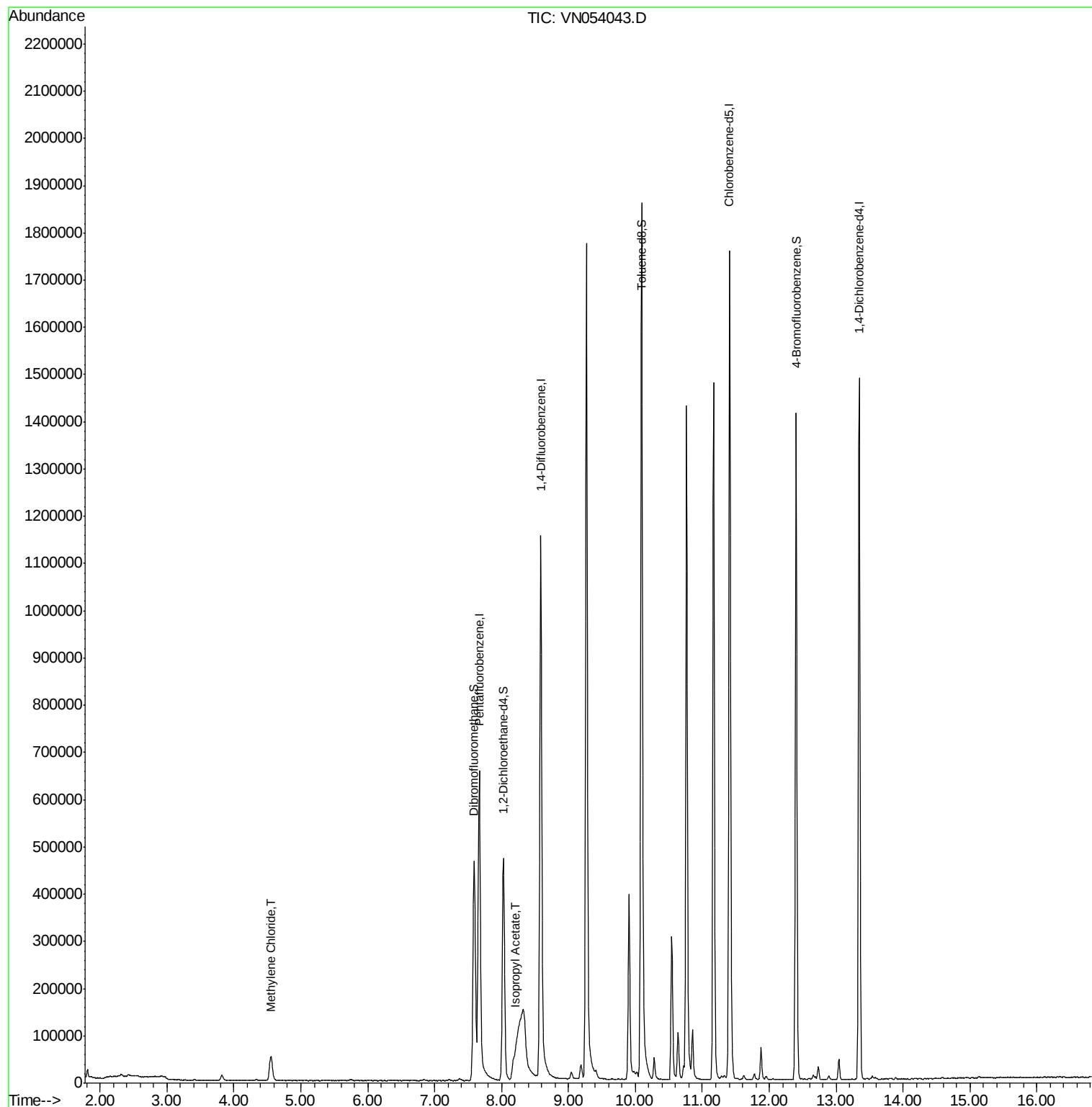
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN030219\  
Data File : VN054043.D  
Acq On : 1 Mar 2019 21:29  
Operator : JC/SP  
Sample : K1675-04  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 13 Sample Multiplier: 1

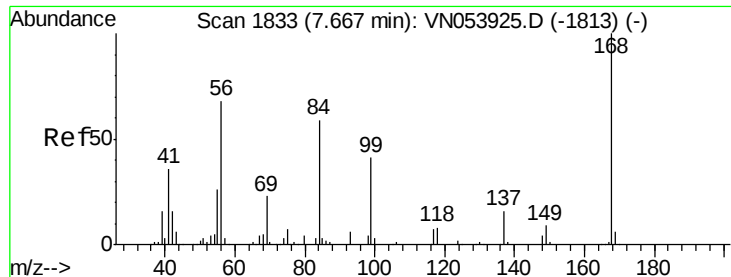
Instrument :  
MSVOA\_N  
ClientSampleId :  
Z-3-11-A

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Quant Time: Mar 02 05:44:42 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N022519W.M  
Quant Title : SW846 8260  
QLast Update : Thu Feb 28 04:05:45 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054043.D

Acq: 1 Mar 2019 21:29

Instrument :

MSVOA\_N

ClientSampleId :

Z-3-11-A

Tot Ion:168 Resp: 623216

Ion Ratio Lower Upper

168 100

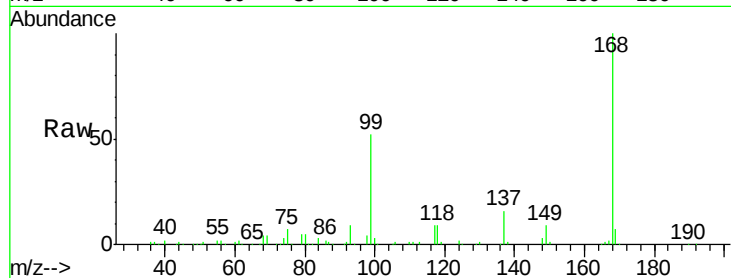
99 51.6 36.9 55.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

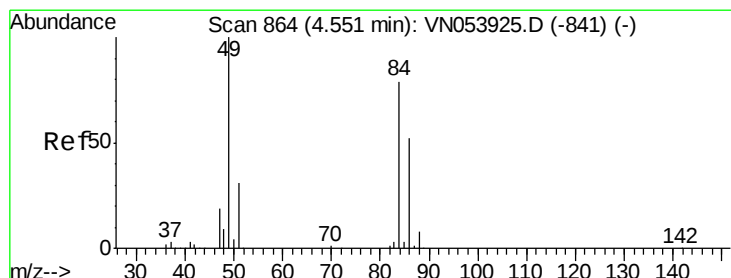
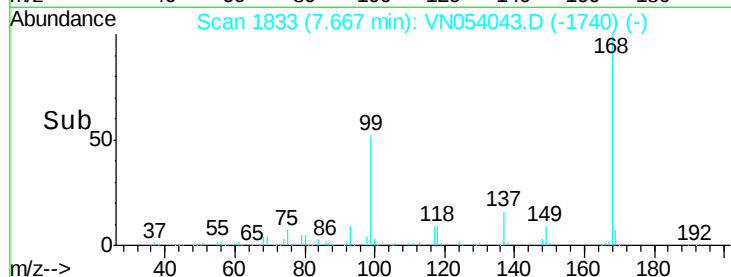
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#20

Methylene Chloride

Concen: 5.477 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN054043.D

Acq: 1 Mar 2019 21:29

Tgt Ion: 84 Resp: 39600

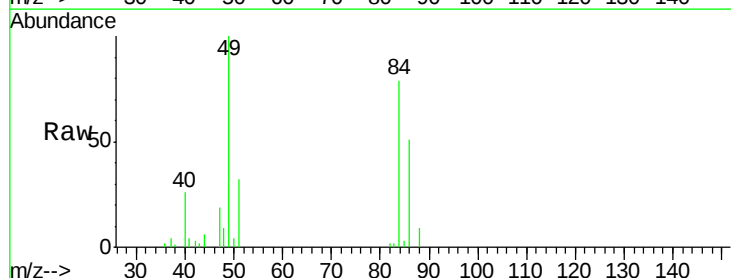
Ion Ratio Lower Upper

84 100

49 127.3 89.7 134.5

51 40.6 27.8 41.8

86 64.8 51.3 76.9



Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

4.55

25000

20000

15000

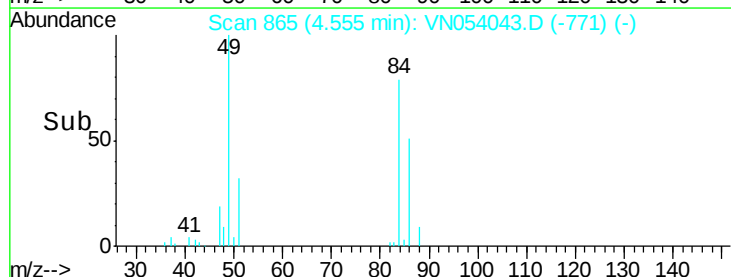
10000

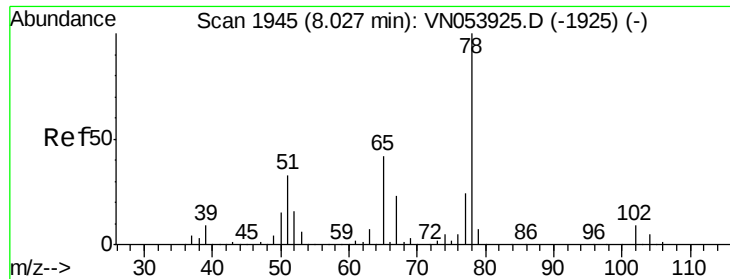
5000

0

4.50 4.55 4.60

Time-->





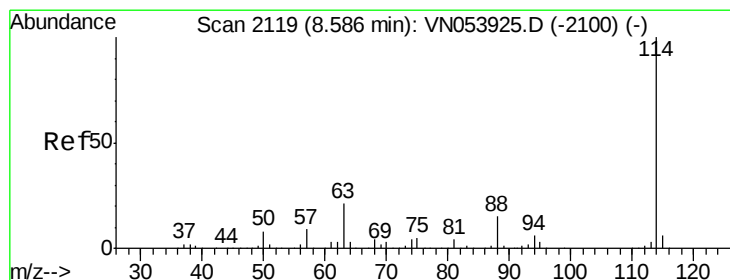
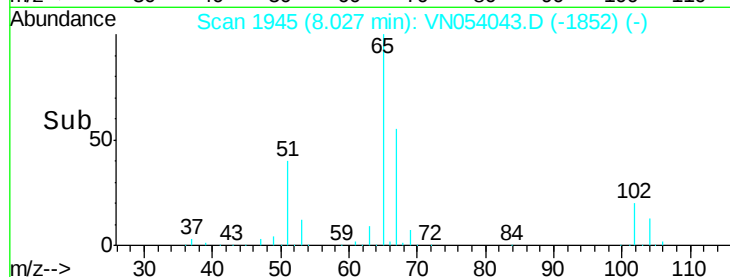
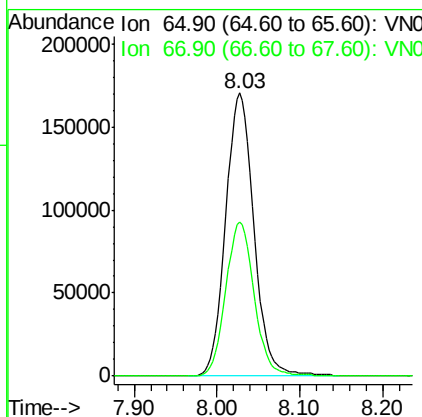
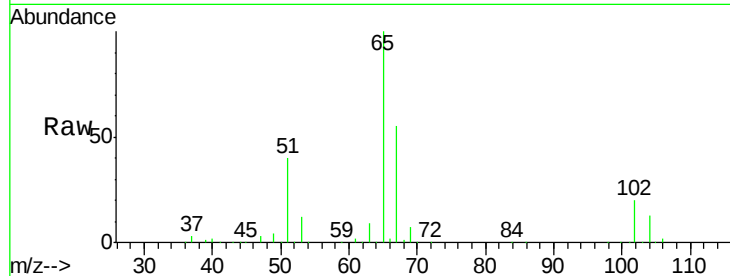
#33  
 1,2-Dichloroethane-d4  
 Concen: 55.408 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN054043.D  
 Acq: 1 Mar 2019 21:29

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 Z-3-11-A

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 404782 |       |       |
| 67      | 54.9  | 0.0    | 111.8 |       |

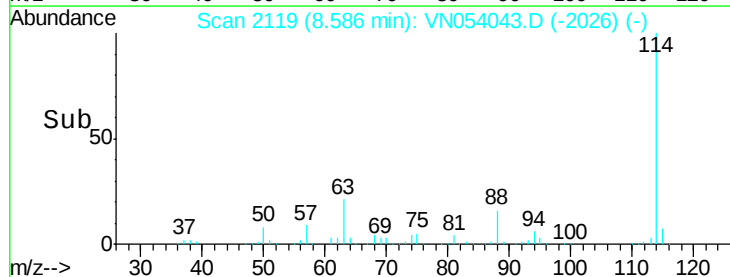
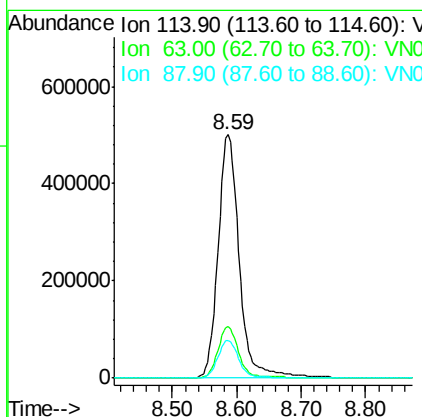
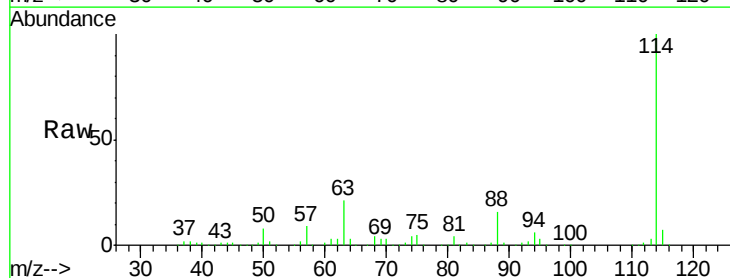
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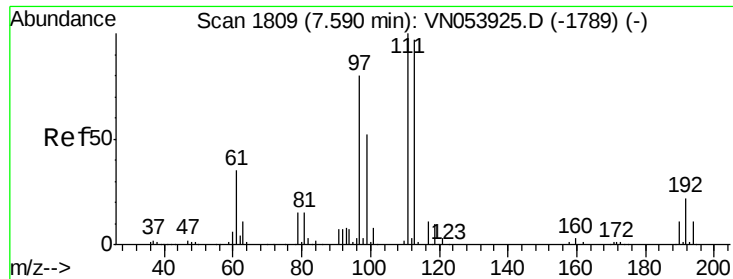
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN054043.D  
 Acq: 1 Mar 2019 21:29

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 114     | 100   | 1142341 |       |       |
| 63      | 20.9  | 0.0     | 37.4  |       |
| 88      | 15.6  | 0.0     | 30.4  |       |





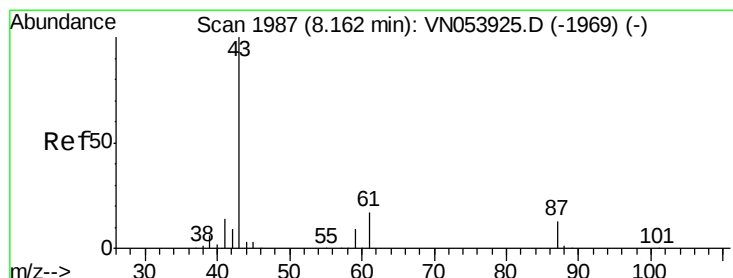
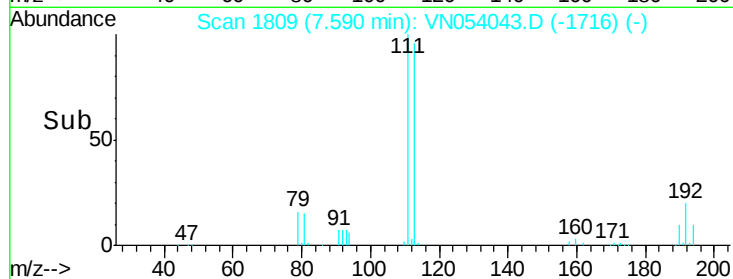
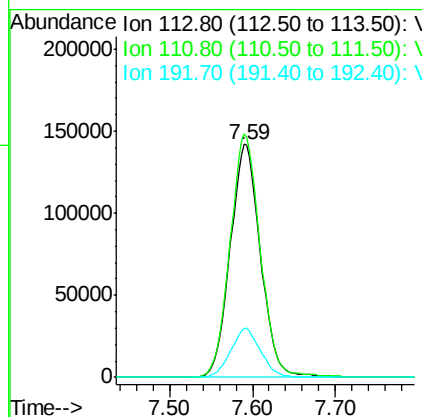
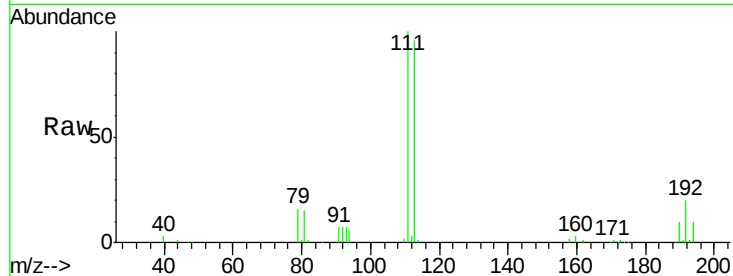
#35  
Dibromofluoromethane  
Concen: 48.770 ug/l  
RT: 7.59 min Scan# 1809  
Delta R.T. 0.00 min  
Lab File: VN054043.D  
Acq: 1 Mar 2019 21:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
Z-3-11-A

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 113     | 100   |      |       |       |
| 111     | 104.5 | 81.1 | 121.7 |       |
| 192     | 20.9  | 18.8 | 28.2  |       |

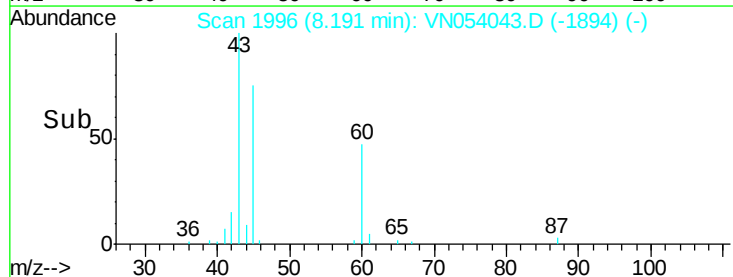
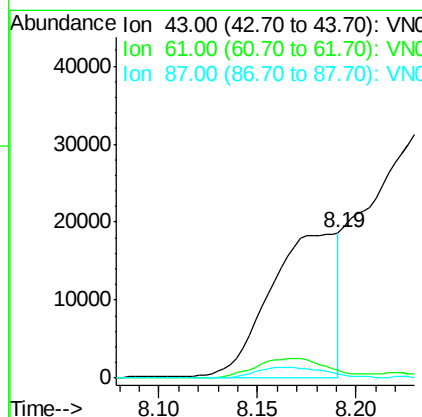
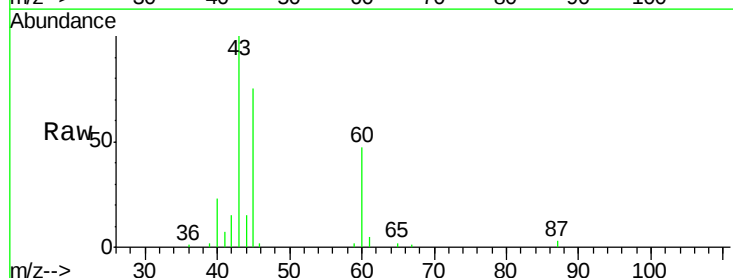
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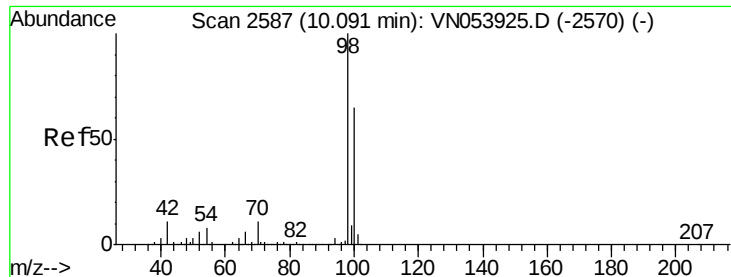
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#43  
Isopropyl Acetate  
Concen: 3.491 ug/l m  
RT: 8.19 min Scan# 1996  
Delta R.T. 0.03 min  
Lab File: VN054043.D  
Acq: 1 Mar 2019 21:29

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 43      | 100   |      |       |       |
| 61      | 0.7   | 17.4 | 26.0# |       |
| 87      | 0.0   | 11.5 | 17.3# |       |





#50

Toluene-d8

Concen: 52.696 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054043.D

Acq: 1 Mar 2019 21:29

Instrument :

MSVOA\_N

ClientSampleId :

Z-3-11-A

Tot Ion: 98 Resp: 1449060

Ion Ratio Lower Upper

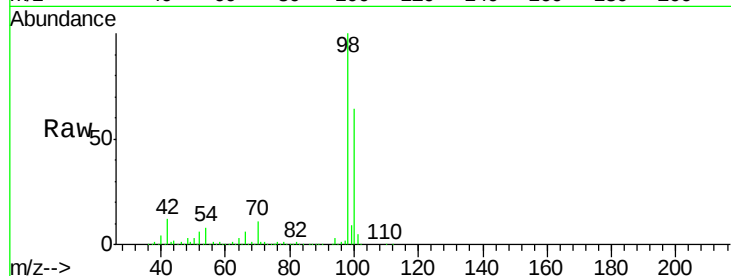
98 100

100 64.0 51.9 77.9

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Abundance Ion 98.00 (97.70 to 98.70): VN053925.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN053925.D (-2570) (-)

10.09

800000

600000

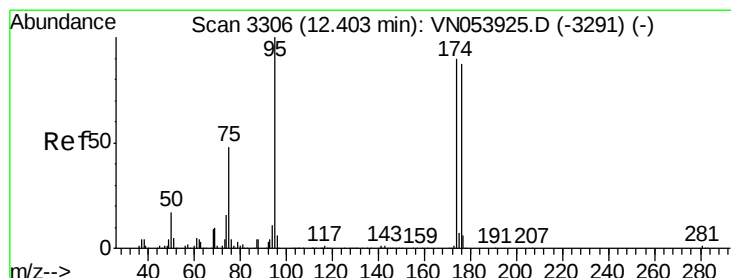
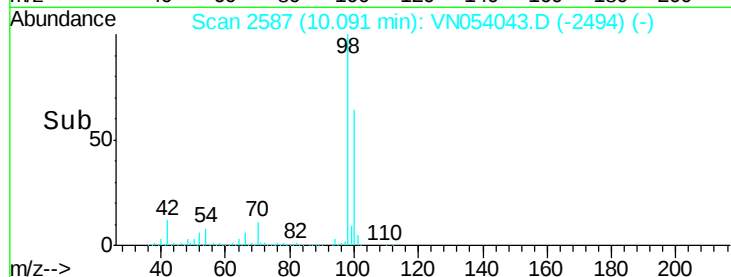
400000

200000

0

10.00 10.10 10.20 10.30

Time-->



#62

4-Bromofluorobenzene

Concen: 53.457 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054043.D

Acq: 1 Mar 2019 21:29

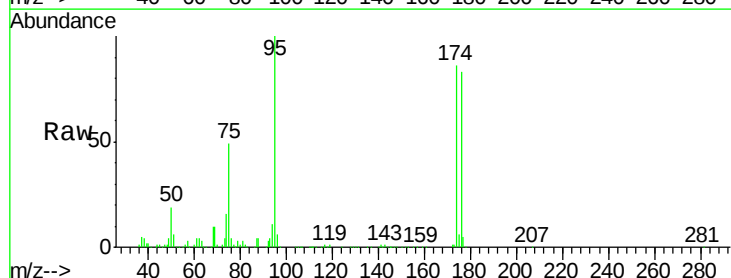
Tgt Ion: 95 Resp: 489757

Ion Ratio Lower Upper

95 100

174 86.3 0.0 188.8

176 83.2 0.0 182.6



Abundance Ion 94.90 (94.60 to 95.60): VN053925.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053925.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053925.D (-3291) (-)

12.40

400000

300000

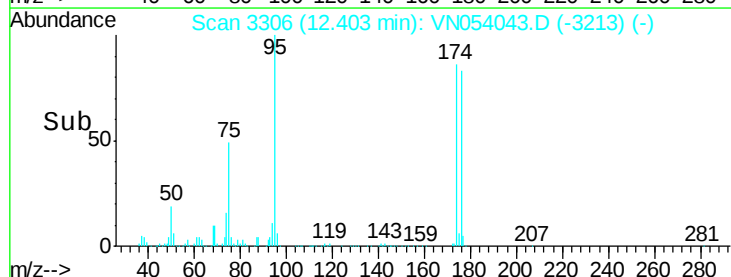
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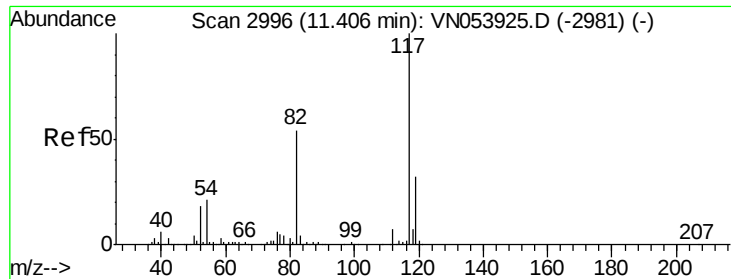
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0

12.30 12.40 12.50

Time-->





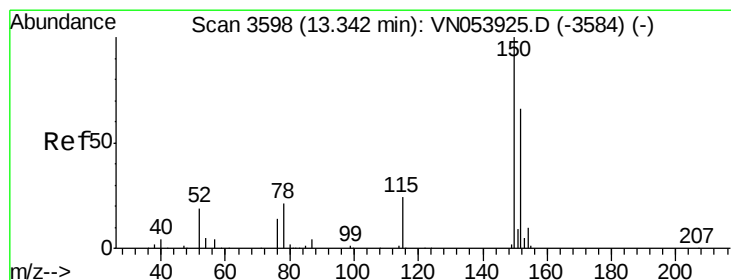
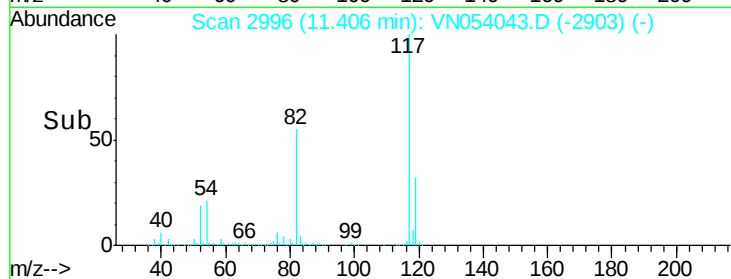
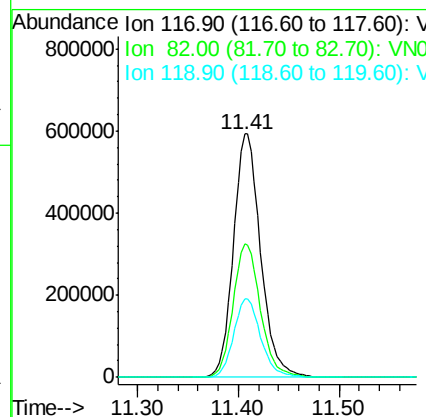
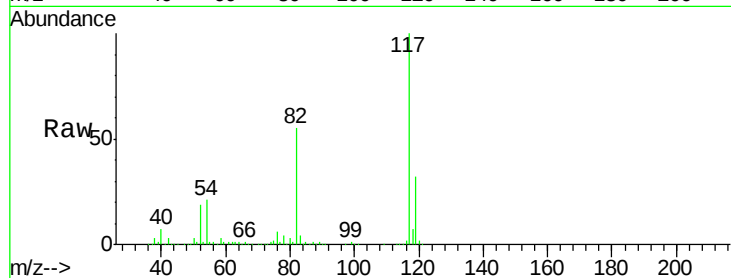
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN054043.D  
Acq: 1 Mar 2019 21:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
Z-3-11-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.7  | 41.4  | 62.2  |
| 119     | 32.1  | 25.3  | 37.9  |

Manual Integrations  
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#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN054043.D  
Acq: 1 Mar 2019 21:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 56.5  | 27.2  | 81.6  |
| 150     | 156.6 | 0.0   | 348.2 |

