

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040119\  
 Data File : VN054873.D  
 Acq On : 1 Apr 2019 14:37  
 Operator : JC/SP  
 Sample : K2178-05  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 COMP-17

Manual Integrations  
 APPROVED

MMDadoda  
 4/2/2019 10:51:33 AM

Quant Time: Apr 02 05:23:48 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N032919W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 30 00:48:18 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response  | Conc     | Units  | Dev(Min) |
|-----------------------------|-------|------|-----------|----------|--------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 531538    | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 876683    | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 749880    | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 263594    | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |           |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 356541    | 49.76    | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery  | =        | 99.52% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 264316    | 45.22    | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery  | =        | 90.44% |          |
| 50) Toluene-d8              | 10.09 | 98   | 1058575   | 48.72    | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery  | =        | 97.44% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 325333    | 45.02    | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery  | =        | 90.04% |          |
| Target Compounds            |       |      |           |          |        |          |
| 16) Acetone                 | 3.82  | 43   | 78457     | 45.917   | ug/l # | 83       |
| 20) Methylene Chloride      | 4.53  | 84   | 31274304m | 5188.898 | ug/l   |          |

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

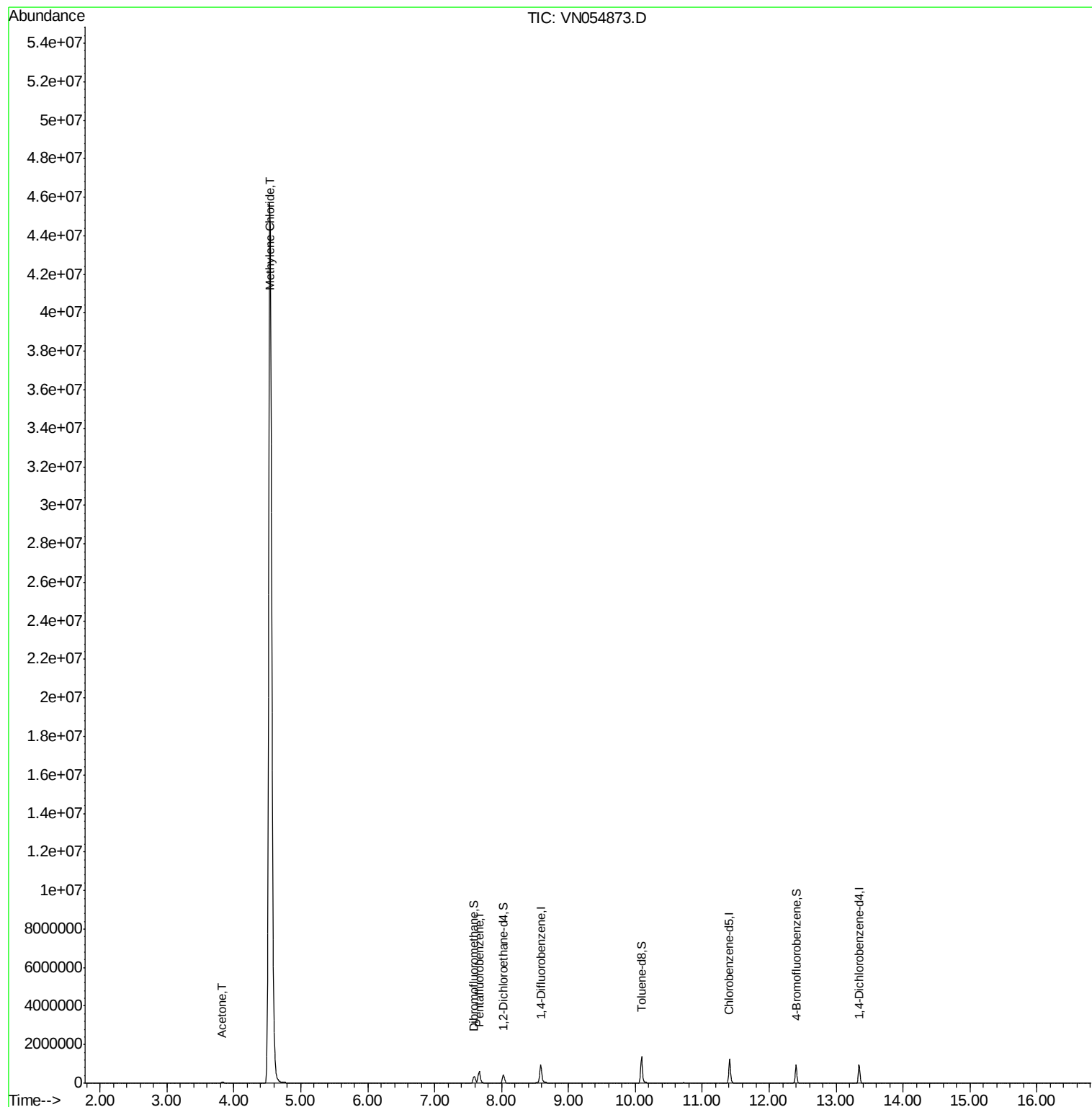
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN040119\  
Data File : VN054873.D  
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ALS Vial : 10 Sample Multiplier: 1

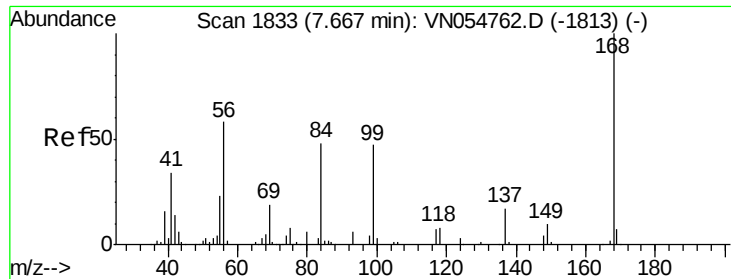
Instrument :  
MSVOA\_N  
ClientSampleId :  
COMP-17

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Quant Time: Apr 02 05:23:48 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N032919W.M  
Quant Title : SW846 8260  
QLast Update : Sat Mar 30 00:48:18 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: VN054873.D

Acq: 1 Apr 2019 14:37

Instrument :

MSVOA\_N

ClientSampleId :

COMP-17

Tot Ion:168 Resp: 531538

Ion Ratio Lower Upper

168 100

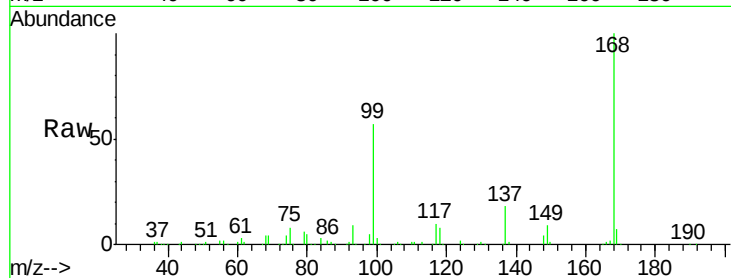
99 56.6 37.1 55.7#

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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

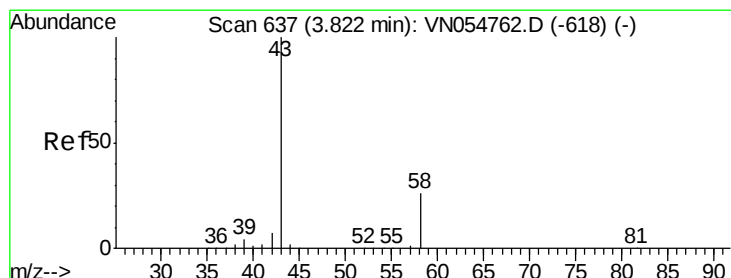
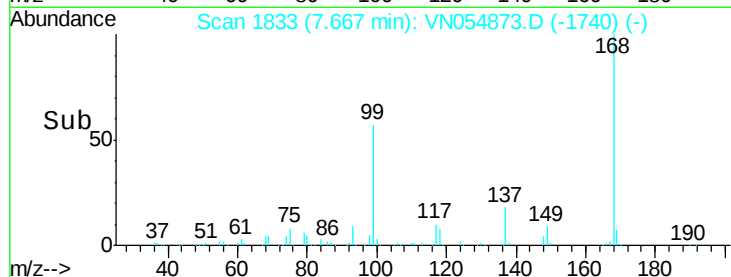
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 45.917 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054873.D

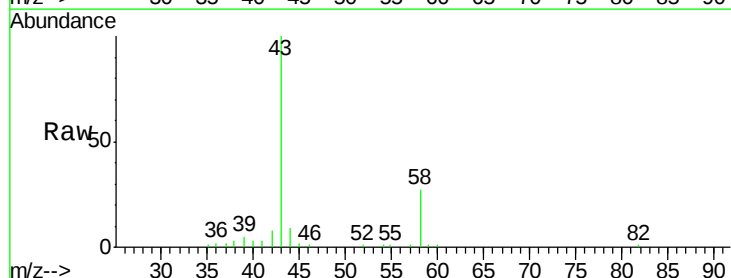
Acq: 1 Apr 2019 14:37

Tgt Ion: 43 Resp: 78457

Ion Ratio Lower Upper

43 100

58 27.3 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.82

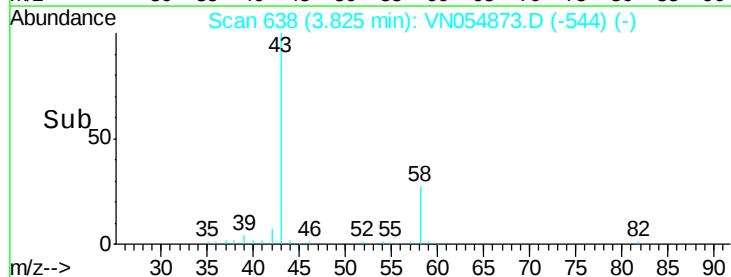
30000

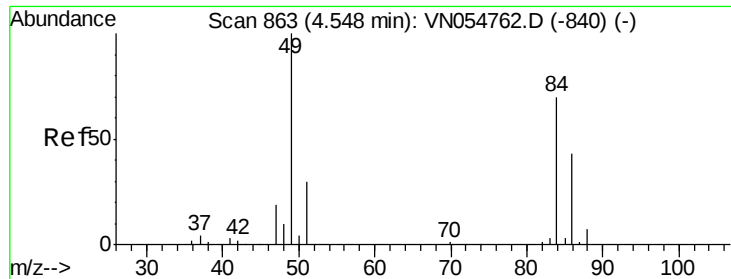
20000

10000

0

Time-->





#20

Methvlene Chloride

Concen: 5188.898 ug/l m

RT: 4.53 min Scan# 857

Delta R.T. -0.02 min

Lab File: VN054873.D

Acq: 1 Apr 2019 14:37

Instrument :

MSVOA\_N

ClientSampleId :

COMP-17

Tot Ion: 84 Resp:31274304

Ion Ratio Lower Upper

84 100

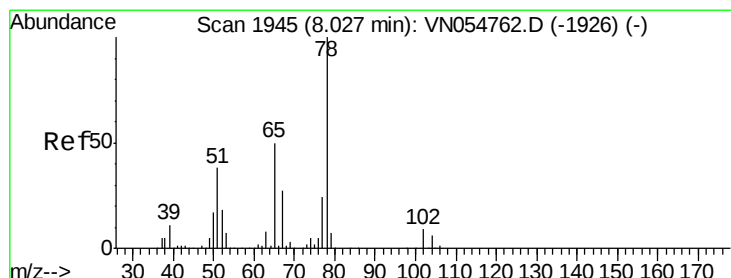
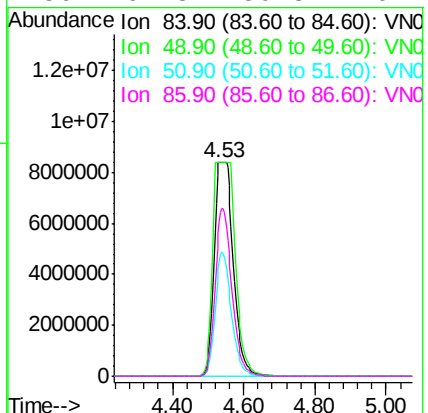
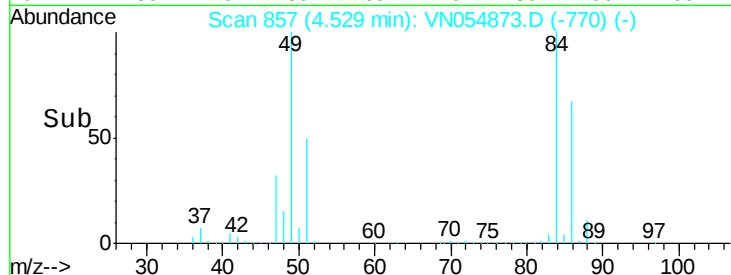
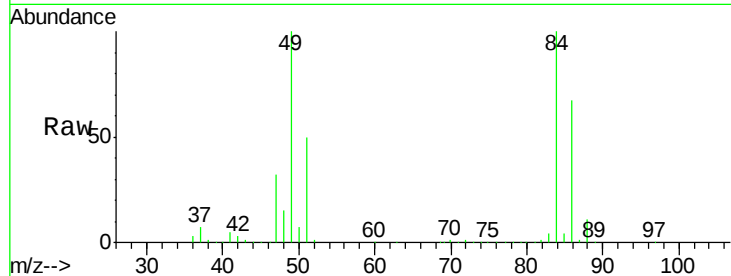
49 100.0 89.7 134.5

51 49.9 28.2 42.4#

86 67.3 50.8 76.2

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#33

1,2-Dichloroethane-d4

Concen: 49.760 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054873.D

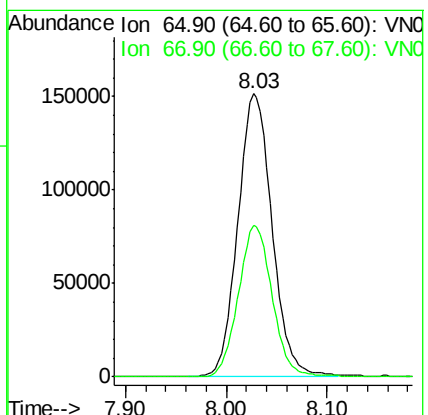
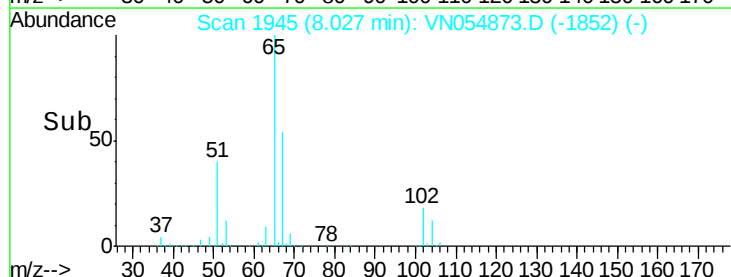
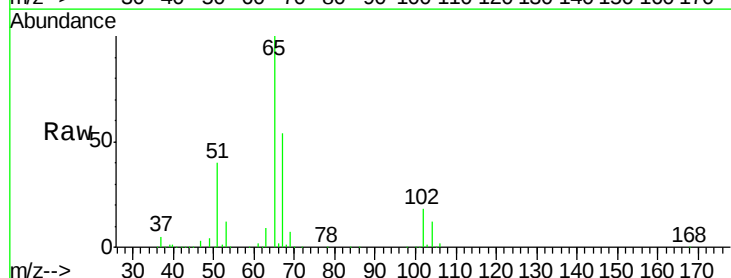
Acq: 1 Apr 2019 14:37

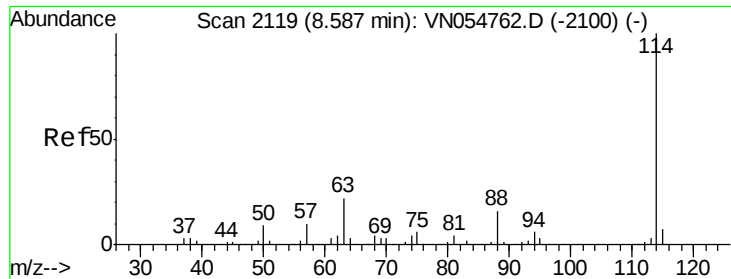
Tgt Ion: 65 Resp: 356541

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054873.D

Acq: 1 Apr 2019 14:37

Instrument :

MSVOA\_N

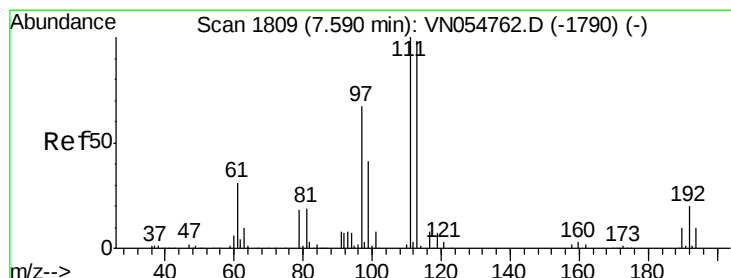
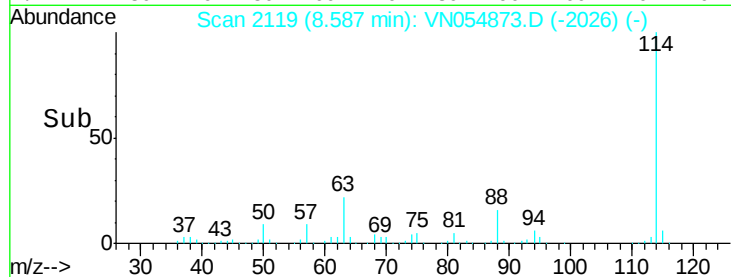
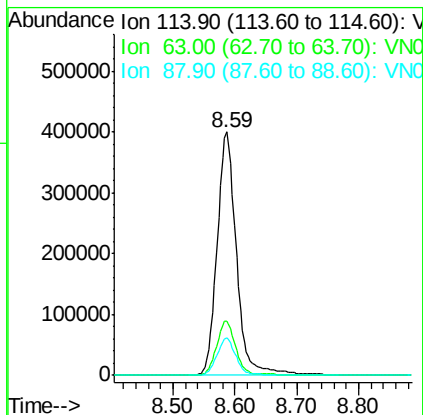
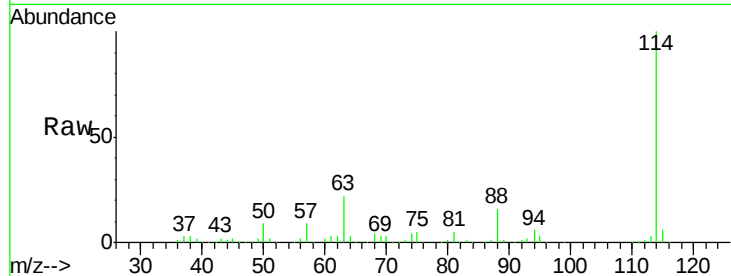
ClientSampled :

COMP-17

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 114   | Resp: | 876683 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 22.2  | 0.0   | 35.2   |
| 88        | 15.5  | 0.0   | 30.2   |

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#35

Dibromofluoromethane

Concen: 45.223 ug/l

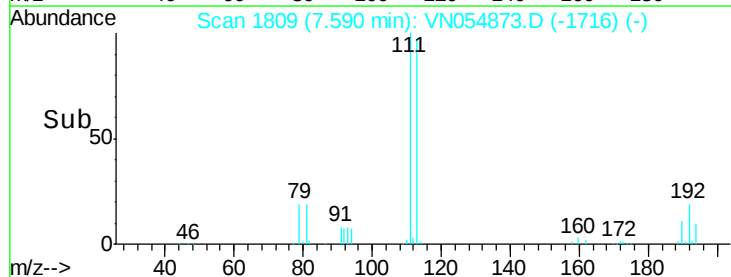
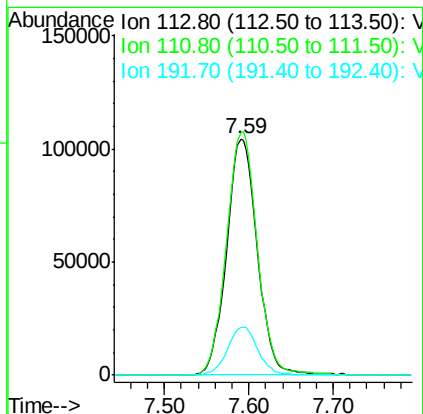
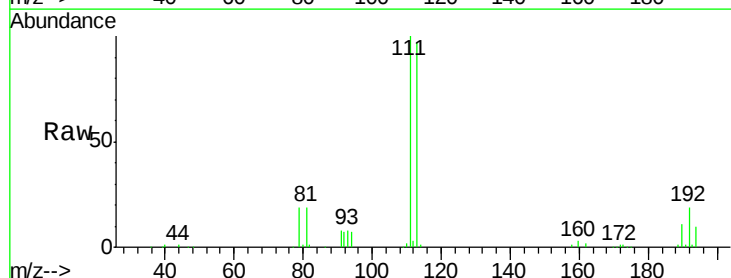
RT: 7.59 min Scan# 1809

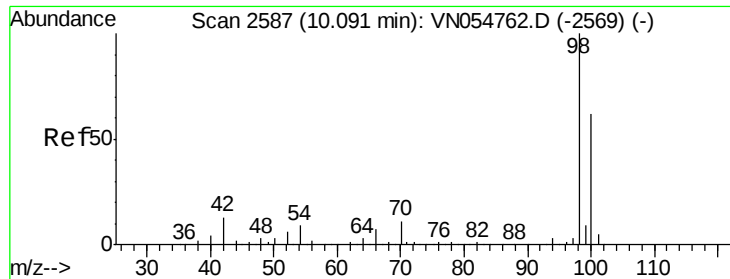
Delta R.T. -0.00 min

Lab File: VN054873.D

Acq: 1 Apr 2019 14:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 113   | Resp: | 264316 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 103.9 | 82.2  | 123.4  |
| 192       | 20.3  | 19.2  | 28.8   |





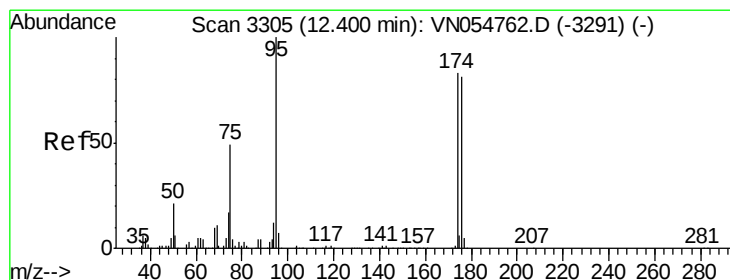
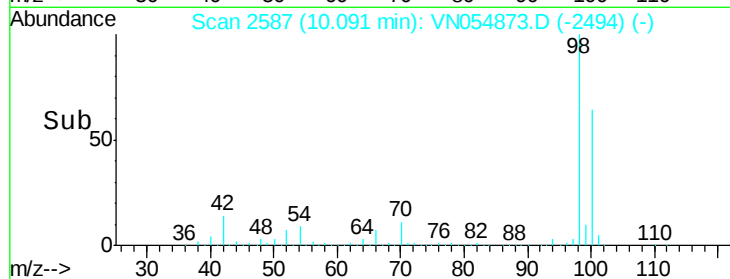
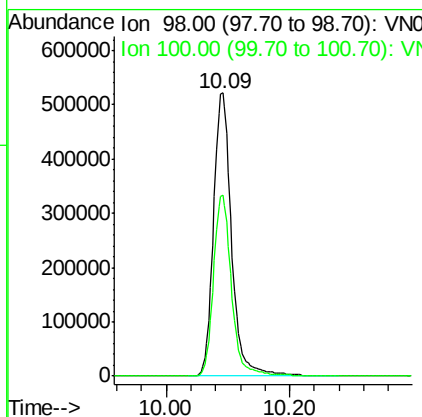
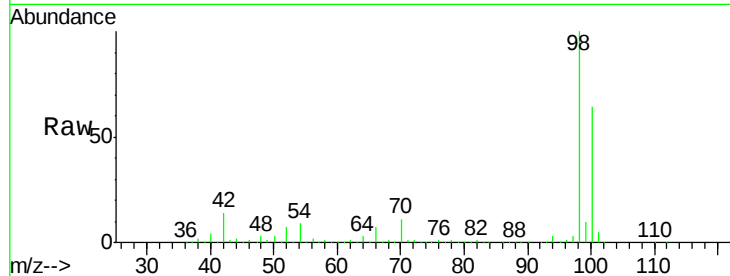
#50  
Toluene-d8  
Concen: 48.716 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. -0.00 min  
Lab File: VN054873.D  
Acq: 1 Apr 2019 14:37

Instrument :  
MSVOA\_N  
ClientSampled :  
COMP-17

Tot Ion: 98 Resp: 1058575  
Ion Ratio Lower Upper  
98 100  
100 63.7 51.2 76.8

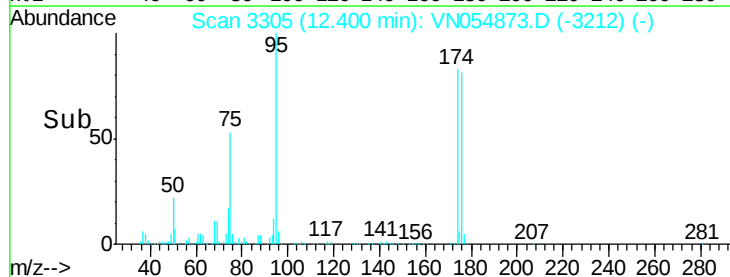
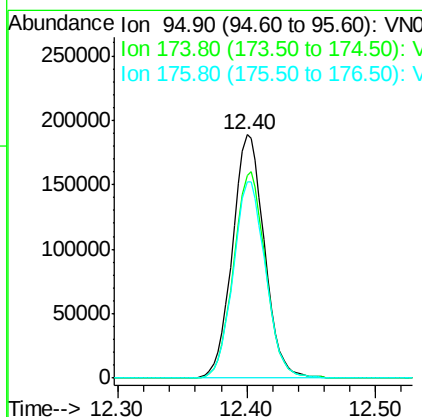
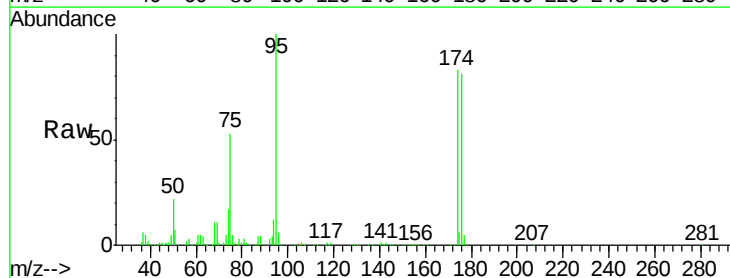
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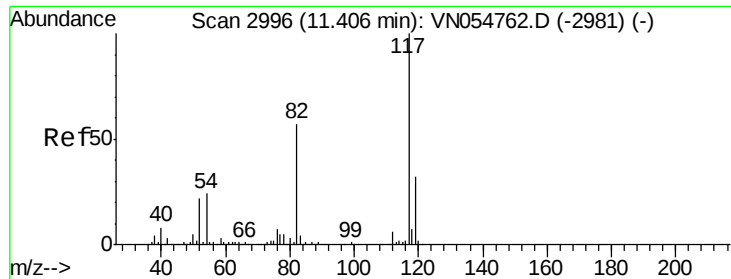
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#62  
4-Bromofluorobenzene  
Concen: 45.018 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. -0.00 min  
Lab File: VN054873.D  
Acq: 1 Apr 2019 14:37

Tgt Ion: 95 Resp: 325333  
Ion Ratio Lower Upper  
95 100  
174 84.8 0.0 191.0  
176 81.8 0.0 187.4





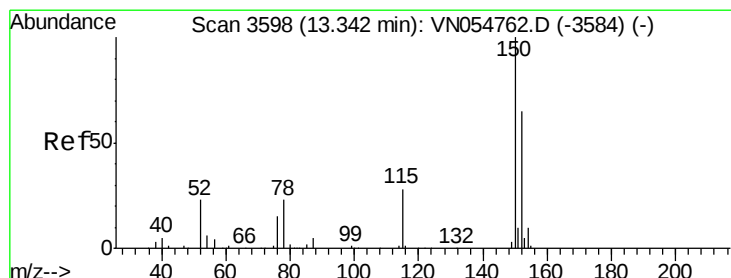
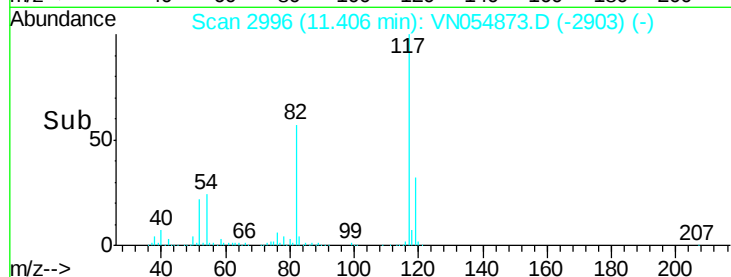
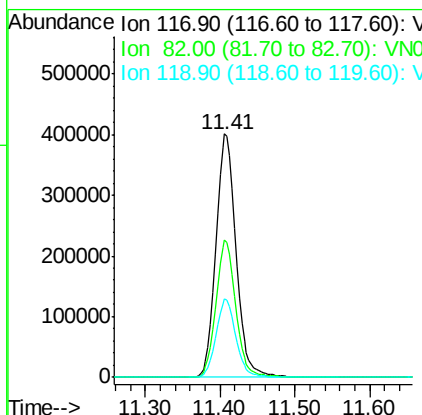
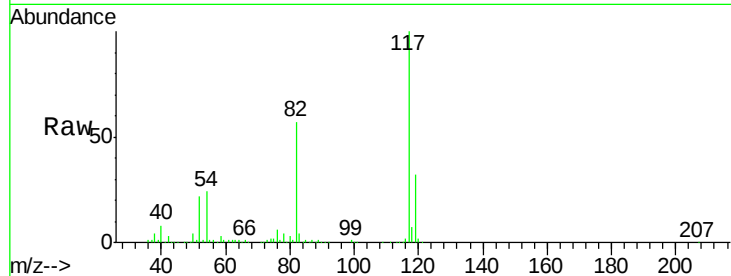
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN054873.D  
Acq: 1 Apr 2019 14:37

Instrument :  
MSVOA\_N  
ClientSampled :  
COMP-17

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 749880 |       |       |
| 82      | 56.6  |        | 40.0  | 60.0  |
| 119     | 32.3  |        | 25.8  | 38.6  |

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#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. -0.00 min  
Lab File: VN054873.D  
Acq: 1 Apr 2019 14:37

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 152     | 100   | 263594 |       |       |
| 115     | 58.4  |        | 27.2  | 81.6  |
| 150     | 157.2 |        | 0.0   | 349.2 |

