

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN103118\  
 Data File : VN052086.D  
 Acq On : 31 Oct 2018 20:46  
 Operator : MD\SY  
 Sample : J5202-14  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 22 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PL-03-103018-A

Manual Integrations  
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 11/2/2018 1:11:41 PM

Quant Time: Nov 01 02:37:14 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N103018W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 31 02:45:22 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response  | Conc    | Units   | Dev(Min) |
|-----------------------------|-------|------|-----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 287000    | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 525254    | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 509277    | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 203786    | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |           |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 246336    | 53.49   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery  | =       | 106.98% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 203820    | 62.03   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery  | =       | 124.06% |          |
| 50) Toluene-d8              | 10.09 | 98   | 796295    | 60.63   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery  | =       | 121.26% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 268621    | 55.72   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery  | =       | 111.44% |          |
| Target Compounds            |       |      |           |         |         |          |
| 16) Acetone                 | 3.82  | 43   | 17542     | 17.84   | ug/l    | # 74     |
| 20) Methylene Chloride      | 4.54  | 84   | 28559330m | 7624.22 | ug/l    |          |
| 43) Isopropyl Acetate       | 8.17  | 43   | 170914    | 26.88   | ug/l    | 98       |

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

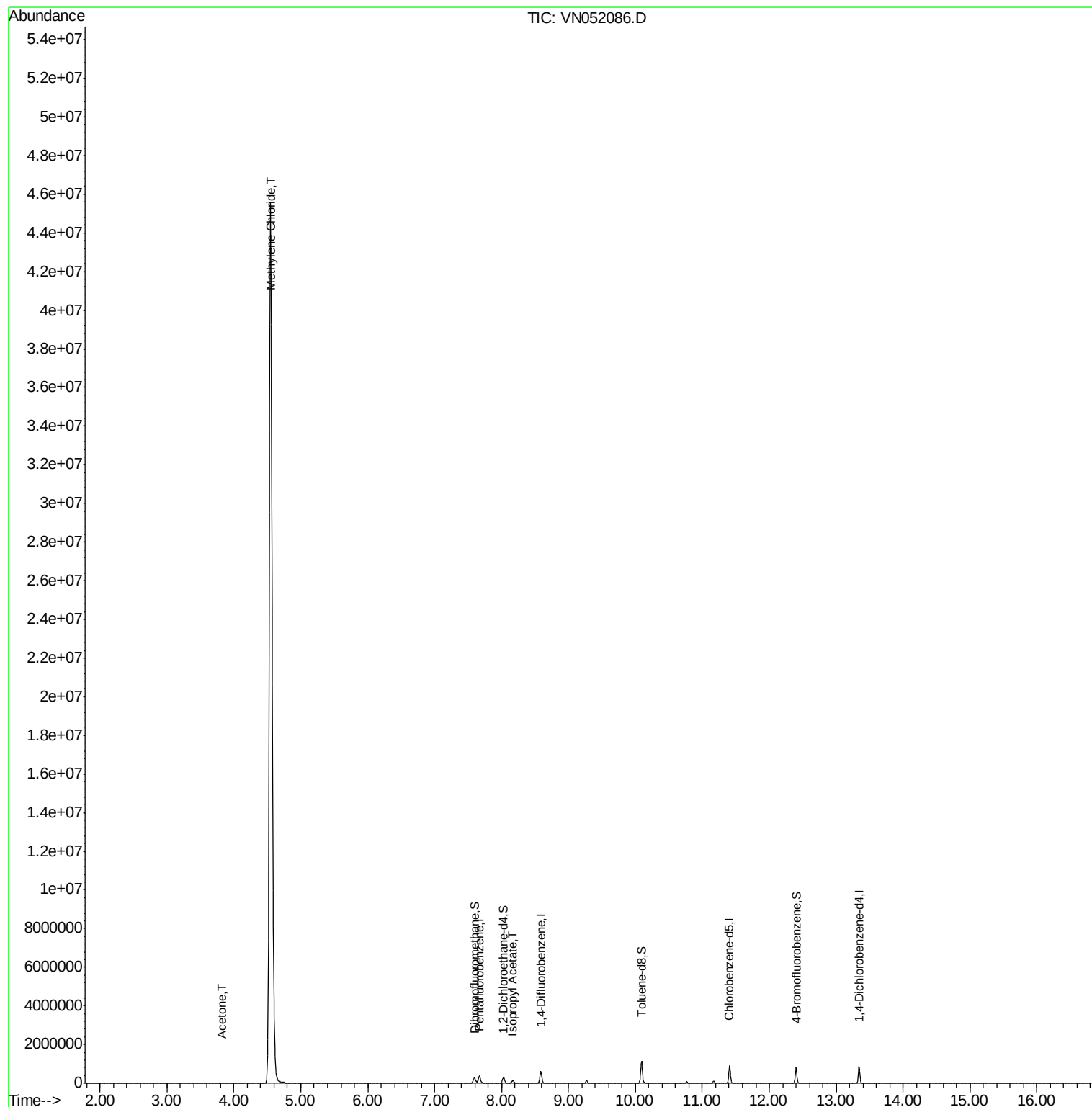
Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN103118\  
Data File : VN052086.D  
Acq On : 31 Oct 2018 20:46  
Operator : MD\SY  
Sample : J5202-14  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 22 Sample Multiplier: 28

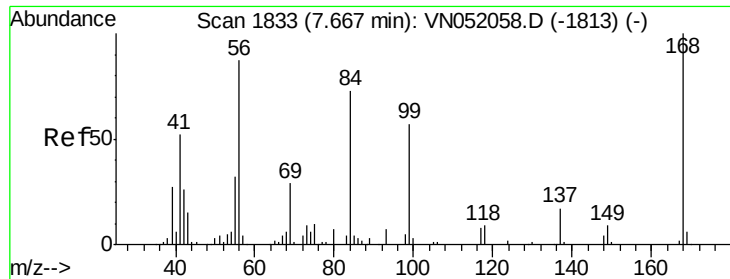
Instrument :  
MSVOA\_N  
ClientSampleId :  
PL-03-103018-A

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Quant Time: Nov 01 02:37:14 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N103018W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 31 02:45:22 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN052086.D

Acq: 31 Oct 2018 20:46

Instrument :

MSVOA\_N

ClientSampleId :

PL-03-103018-A

Tgt Ion:168 Resp: 287000

Ion Ratio Lower Upper

168 100

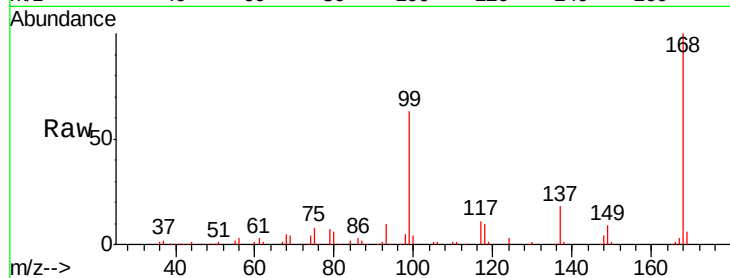
99 63.0 56.6 85.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

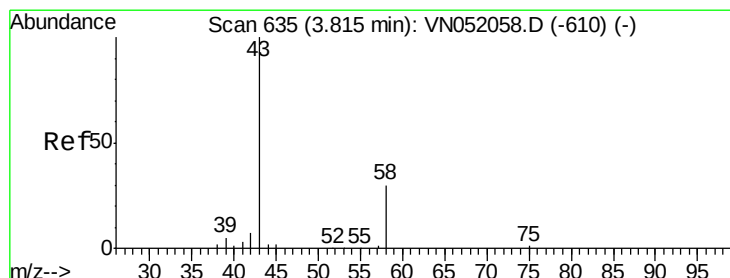
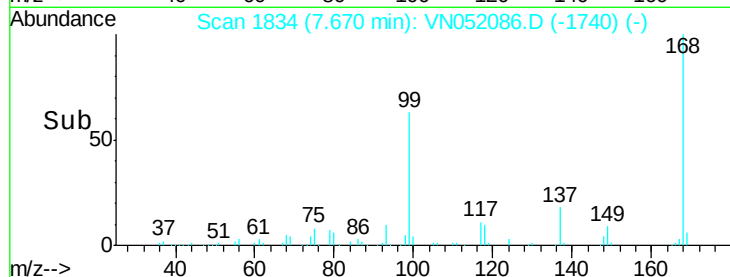
7.67

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#16

Acetone

Concen: 17.84 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052086.D

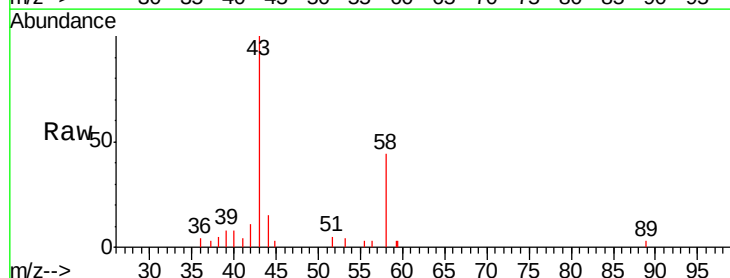
Acq: 31 Oct 2018 20:46

Tgt Ion: 43 Resp: 17542

Ion Ratio Lower Upper

43 100

58 44.2 24.2 36.2#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

6000

5000

4000

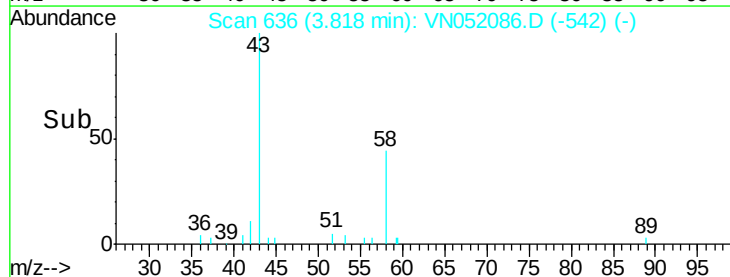
3000

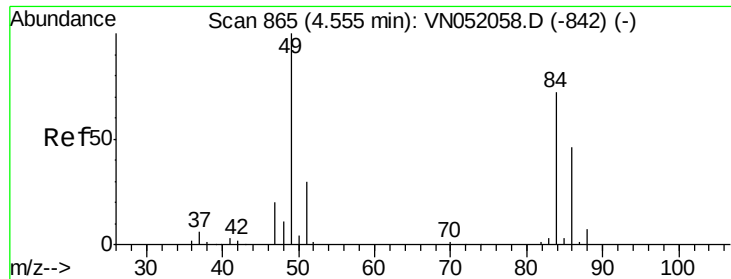
2000

1000

0

Time--> 3.75 3.80 3.85 3.90





#20  
Methylene Chloride  
Concen: 7624.22 ug/l m  
RT: 4.54 min Scan# 860  
Delta R.T. -0.02 min  
Lab File: VN052086.D  
Acq: 31 Oct 2018 20:46

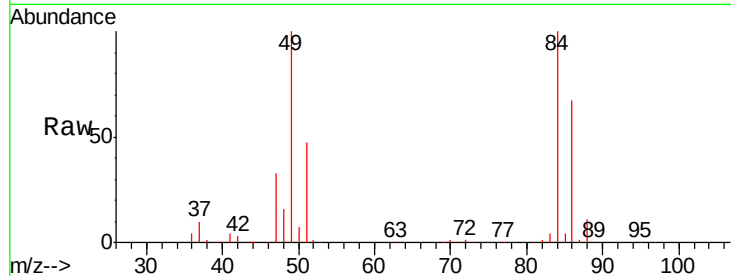
Instrument :  
MSVOA\_N  
ClientSampleId :  
PL-03-103018-A

Tgt Ion: 84 Resp: 28559330

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 100.0 | 110.6 | 165.8# |
| 51  | 46.6  | 33.7  | 50.5   |
| 86  | 67.2  | 50.5  | 75.7   |

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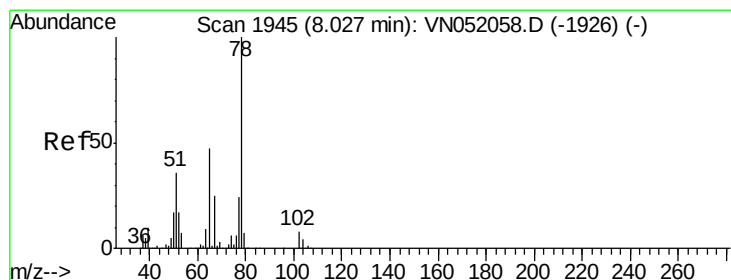
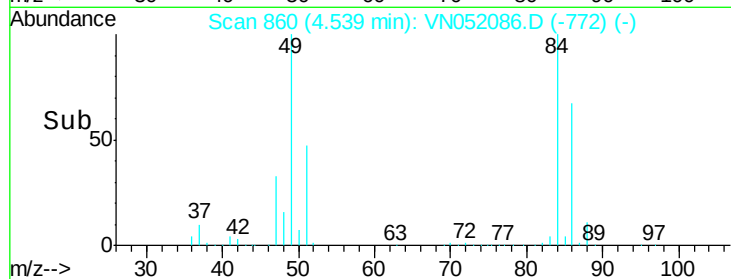
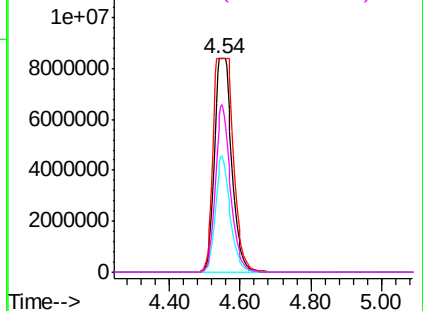
Abundance

Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

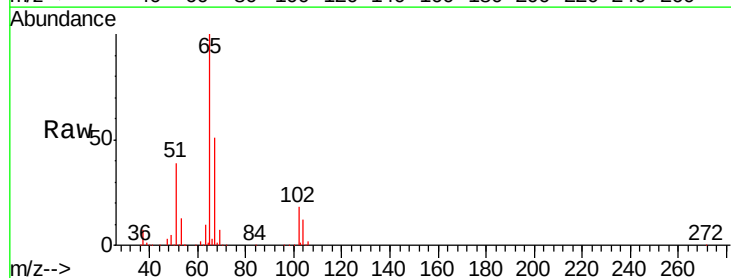
Ion 85.90 (85.60 to 86.60): VN0



#33  
1,2-Dichloroethane-d4  
Concen: Below ug/l  
RT: 8.03 min Scan# 1946  
Delta R.T. 0.00 min  
Lab File: VN052086.D  
Acq: 31 Oct 2018 20:46

Tgt Ion: 65 Resp: 246336

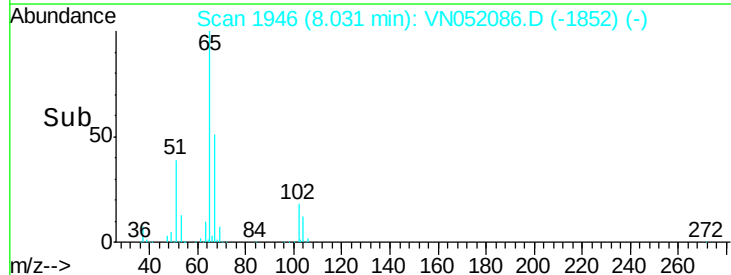
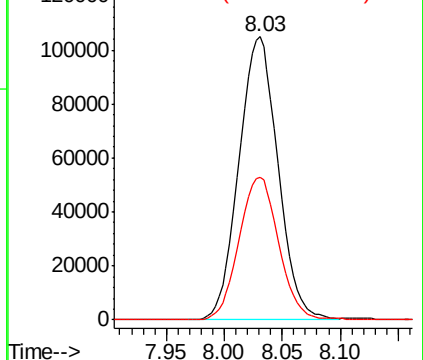
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 50.9  | 0.0   | 105.2 |

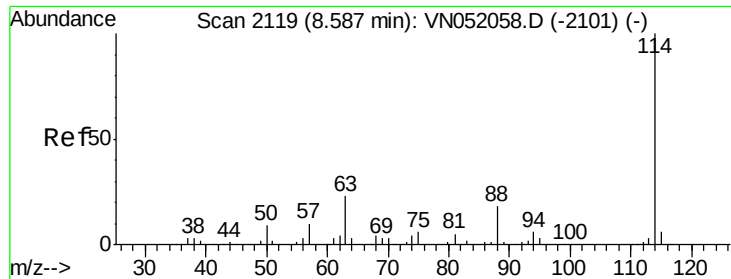


Abundance

Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





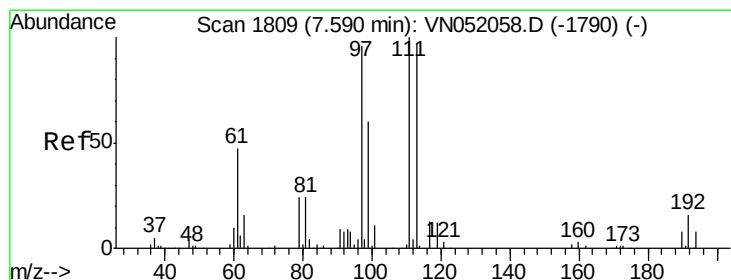
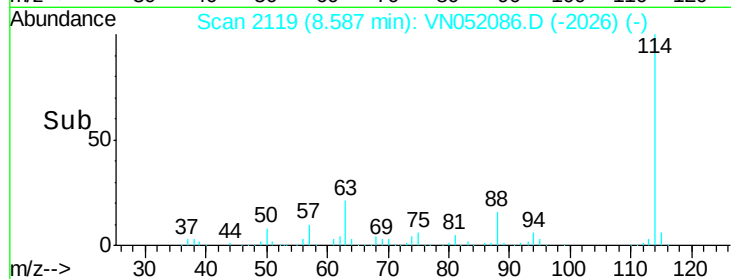
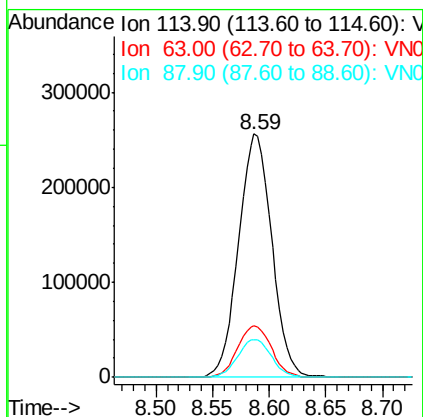
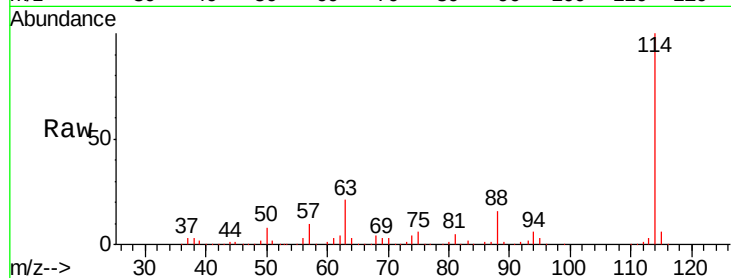
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN052086.D  
 Acq: 31 Oct 2018 20:46

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PL-03-103018-A

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 114     | 100   |            |            |
| 63      | 21.1  | 0.0        | 46.0       |
| 88      | 15.7  | 0.0        | 35.4       |

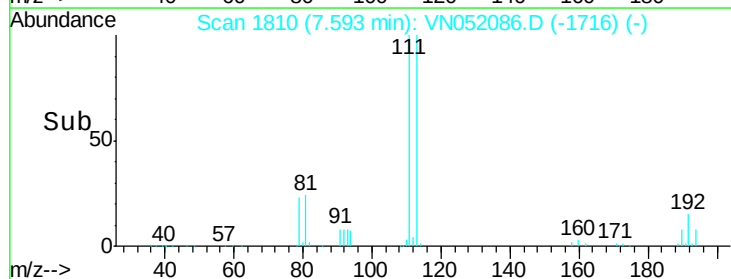
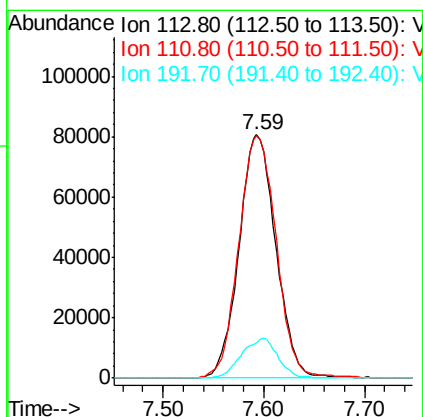
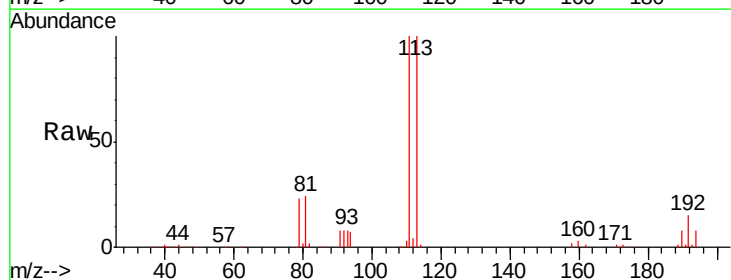
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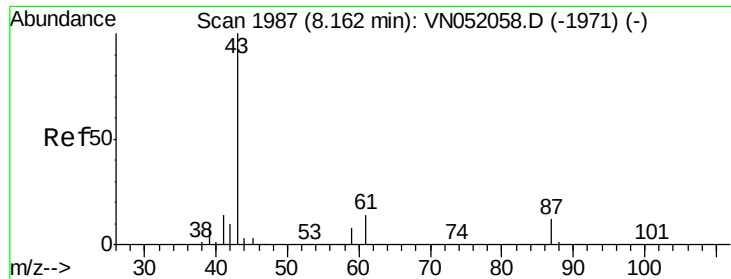
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#35  
 Dibromofluoromethane  
 Concen: 50.00 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN052086.D  
 Acq: 31 Oct 2018 20:46

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 113     | 100   |            |            |
| 111     | 101.8 | 83.1       | 124.7      |
| 192     | 16.2  | 12.7       | 19.1       |





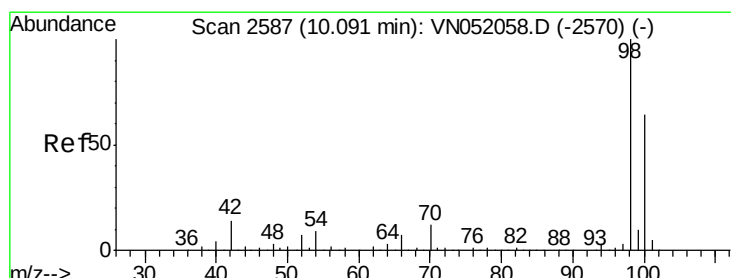
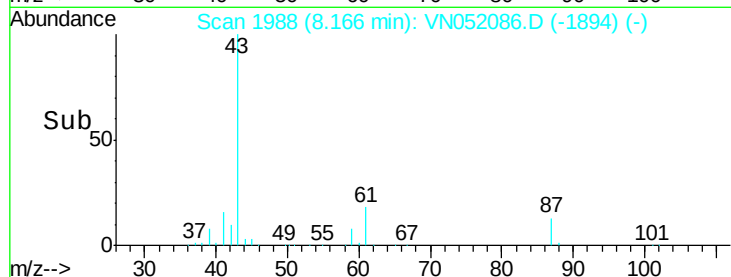
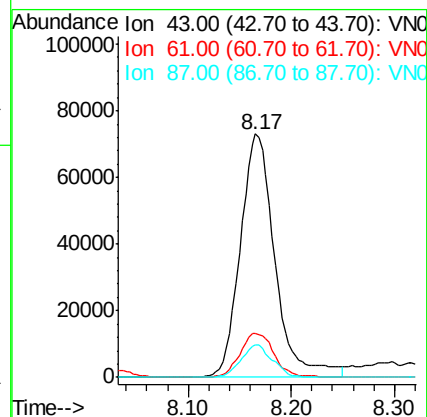
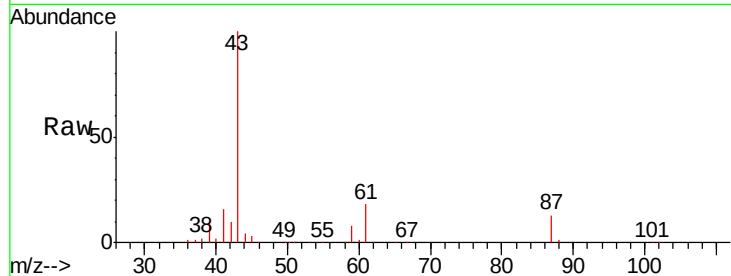
#43  
Isopropyl Acetate  
Concen: 26.88 ug/l  
RT: 8.17 min Scan# 1988  
Delta R.T. 0.00 min  
Lab File: VN052086.D  
Acq: 31 Oct 2018 20:46

Instrument :  
MSVOA\_N  
ClientSampleId :  
PL-03-103018-A

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 17.6  | 15.4  | 23.0  |
| 87      | 12.2  | 9.8   | 14.8  |

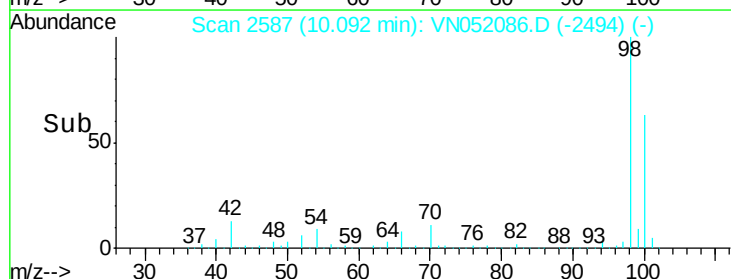
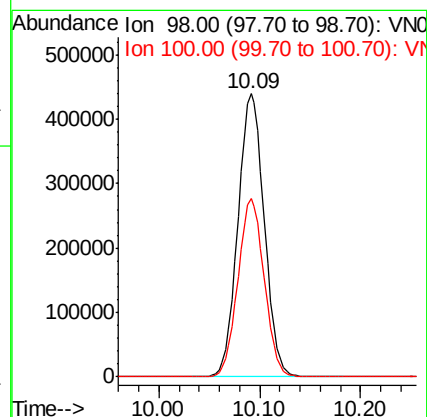
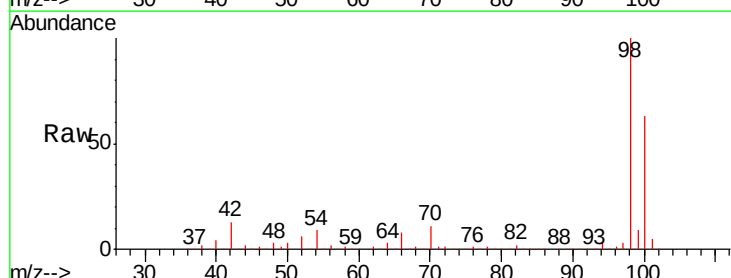
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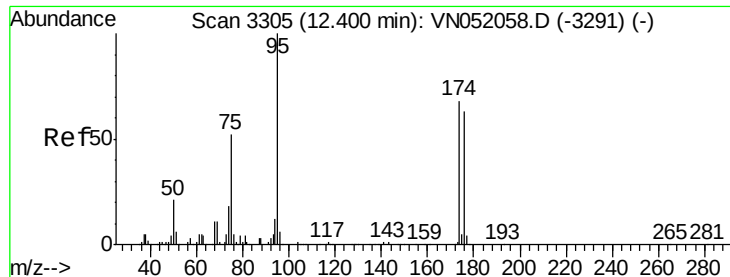
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#50  
Toluene-d8  
Concen: N.D. ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN052086.D  
Acq: 31 Oct 2018 20:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 62.8  | 51.4  | 77.2  |





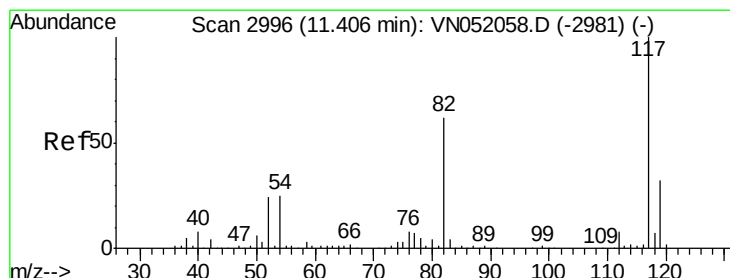
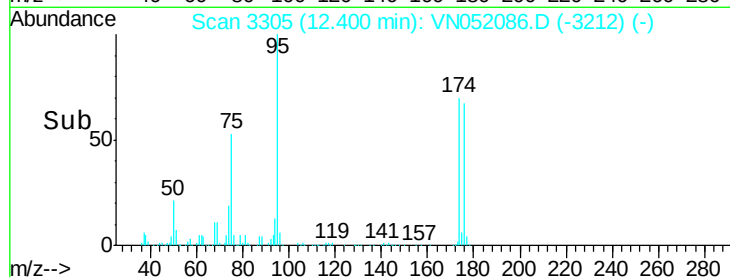
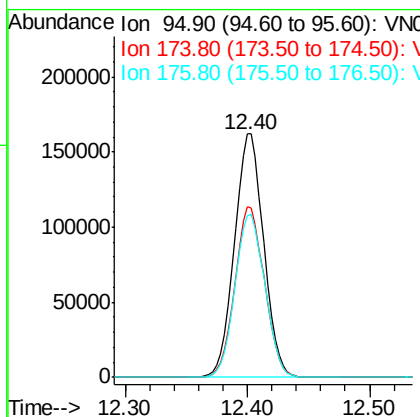
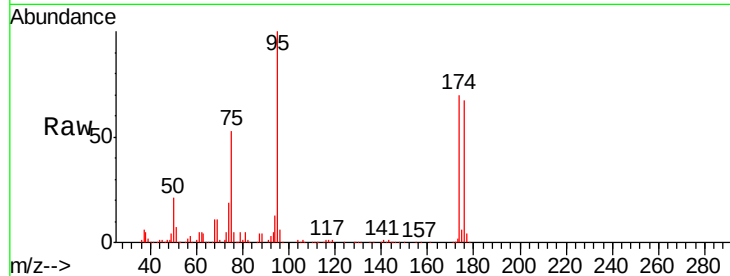
#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN052086.D  
Acq: 31 Oct 2018 20:46

Instrument :  
MSVOA\_N  
ClientSampleId :  
PL-03-103018-A

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 268621 |       |       |
| 174     | 70.6  | 0.0    | 131.8 |       |
| 176     | 68.5  | 0.0    | 126.0 |       |

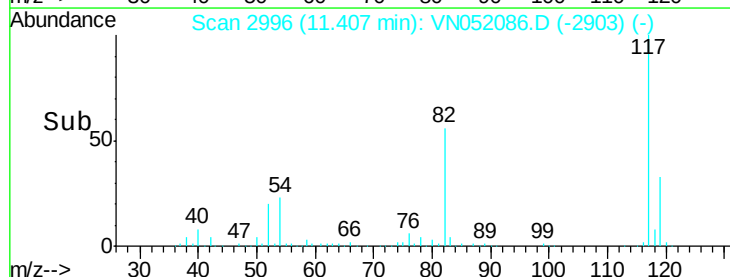
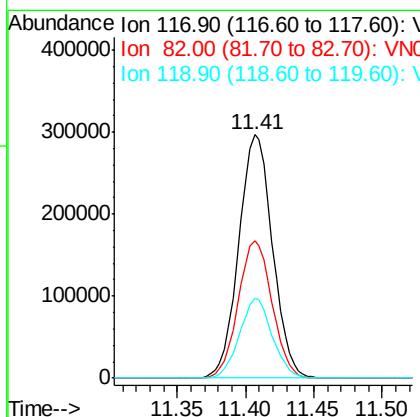
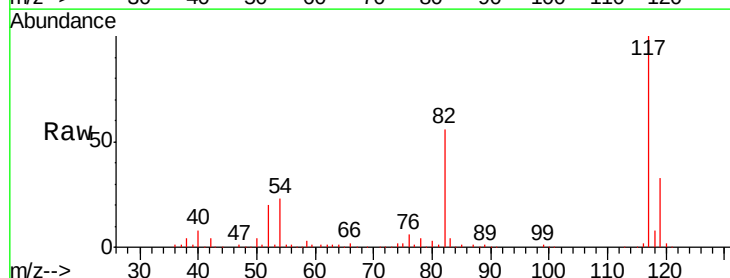
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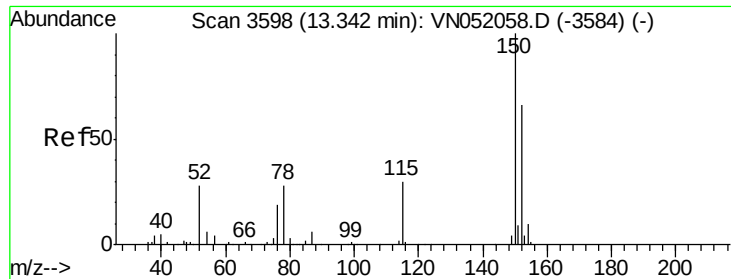
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#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN052086.D  
Acq: 31 Oct 2018 20:46

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 509277 |       |       |
| 82      | 56.5  | 49.9   | 74.9  |       |
| 119     | 32.5  | 25.7   | 38.5  |       |





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052086.D

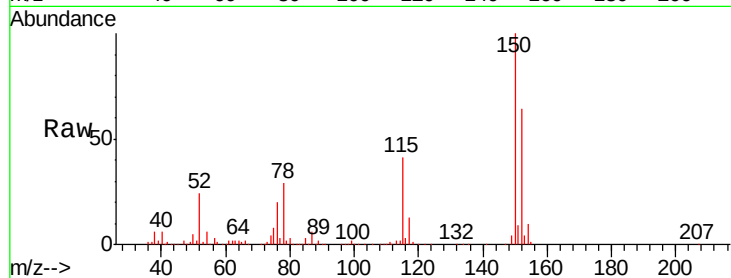
Acq: 31 Oct 2018 20:46

Instrument :

MSVOA\_N

ClientSampleId :

PL-03-103018-A



Tgt Ion:152 Resp: 203786

Ion Ratio Lower Upper

152 100

115 63.6 31.6 95.0

150 159.3 0.0 345.0

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