

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101819\  
 Data File : VN058861.D  
 Acq On : 18 Oct 2019 16:26  
 Operator : JC/SP  
 Sample : K5452-02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 FA19-MMW0009

Quant Time: Oct 21 08:21:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101819W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 19 00:16:20 2019  
 Response via : Initial Calibration

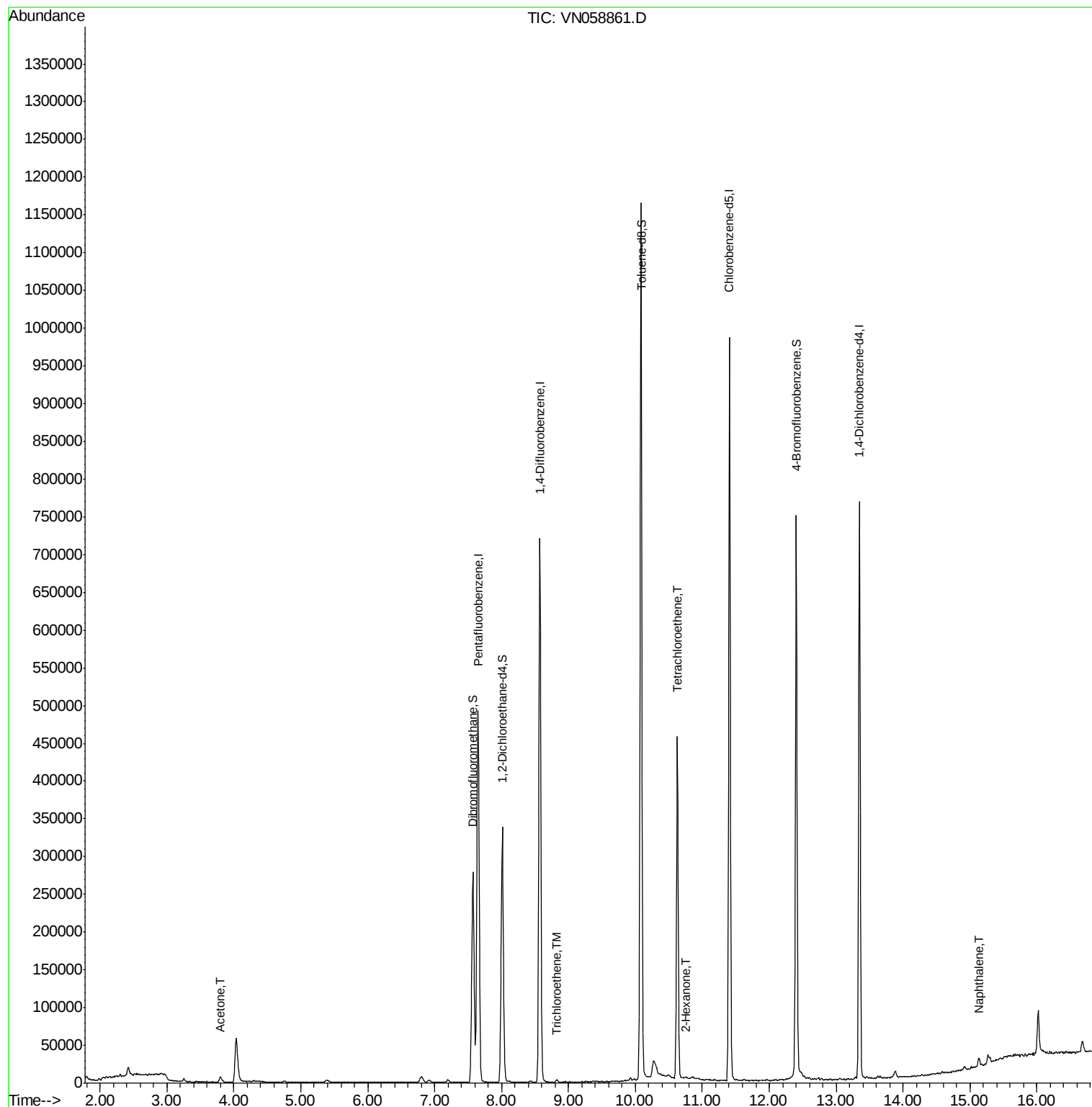
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.65  | 168  | 386444   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.57  | 114  | 613369   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 540581   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 192336   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.01  | 65   | 295059   | 52.06  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.12% |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 211577   | 52.46  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.92% |          |
| 50) Toluene-d8              | 10.09 | 98   | 794103   | 50.73  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.46% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 252227   | 43.88  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 87.76%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.80  | 43   | 11858    | 4.234  | ug/l    | 98       |
| 44) Trichloroethene         | 8.82  | 130  | 1519     | 0.338  | ug/l    | 78       |
| 59) 2-Hexanone              | 10.76 | 43   | 1364     | 0.275  | ug/l    | 78       |
| 64) Tetrachloroethene       | 10.63 | 164  | 99958    | 26.403 | ug/l    | 98       |
| 95) Naphthalene             | 15.14 | 128  | 6768     | 2.812  | ug/l    | 98       |

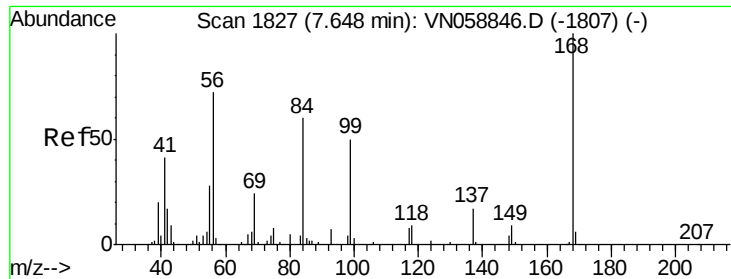
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN101819\  
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Quant Title : SW846 8260  
QLast Update : Sat Oct 19 00:16:20 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058861.D

Acq: 18 Oct 2019 16:26

Instrument :

MSVOA\_N

ClientSampleId :

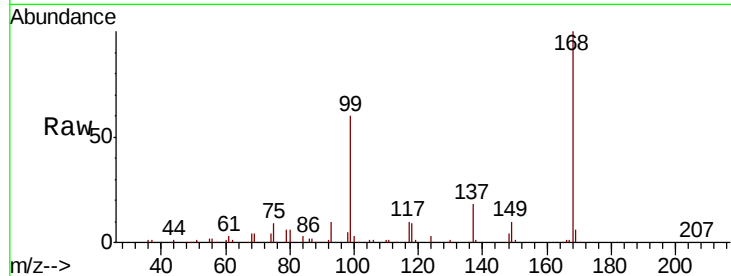
FA19-MMW0009

Tot Ion:168 Resp: 386444

Ion Ratio Lower Upper

168 100

99 59.6 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

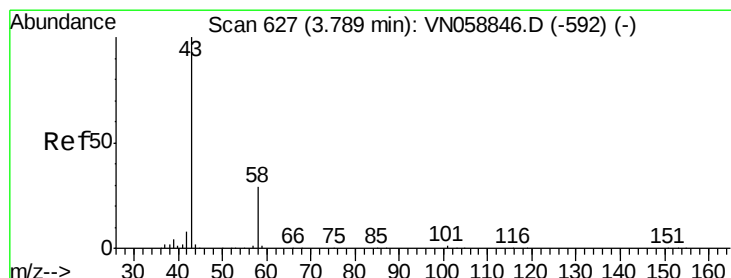
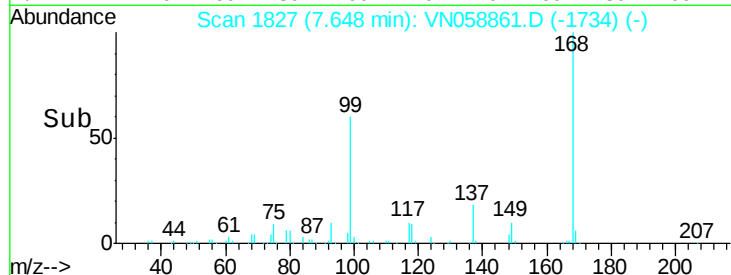
100000

50000

0

Time-->

7.60 7.70



#16

Acetone

Concen: 4.234 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058861.D

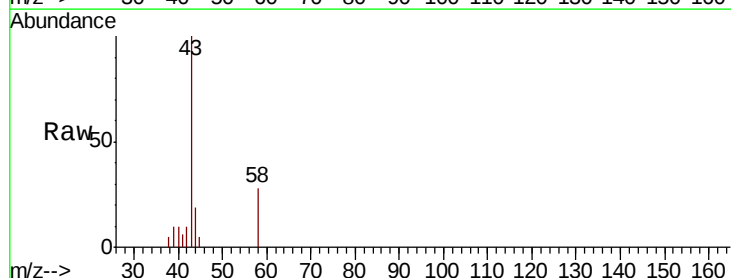
Acq: 18 Oct 2019 16:26

Tgt Ion: 43 Resp: 11858

Ion Ratio Lower Upper

43 100

58 27.8 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.80

5000

4000

3000

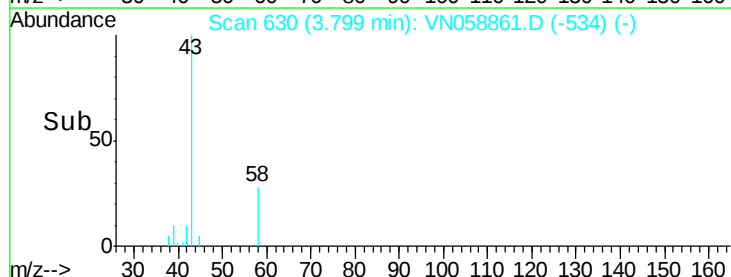
2000

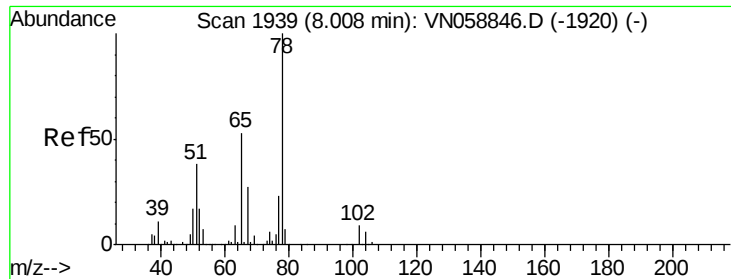
1000

0

Time-->

3.75 3.80 3.85





#33

1,2-Dichloroethane-d4

Concen: 52.059 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058861.D

Acq: 18 Oct 2019 16:26

Instrument :

MSVOA\_N

ClientSampleId :

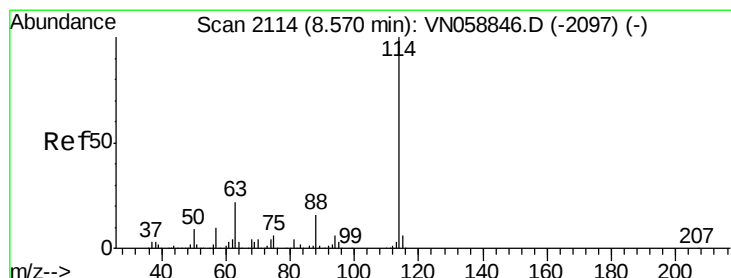
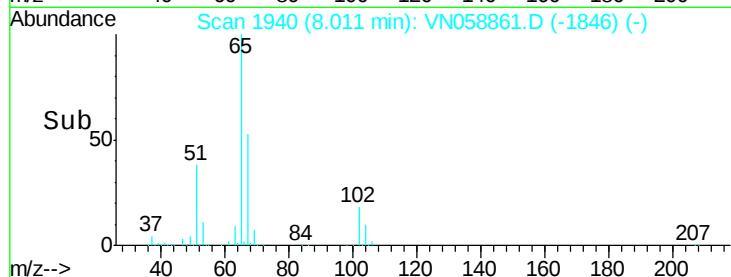
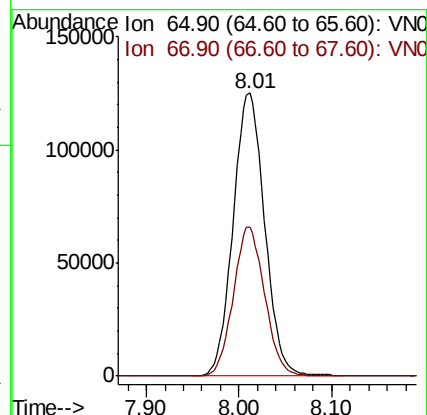
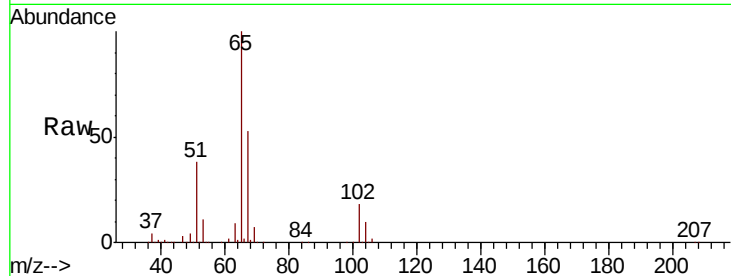
FA19-MMW0009

Tot Ion: 65 Resp: 295059

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058861.D

Acq: 18 Oct 2019 16:26

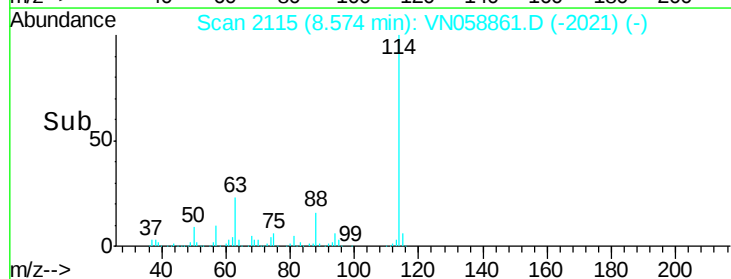
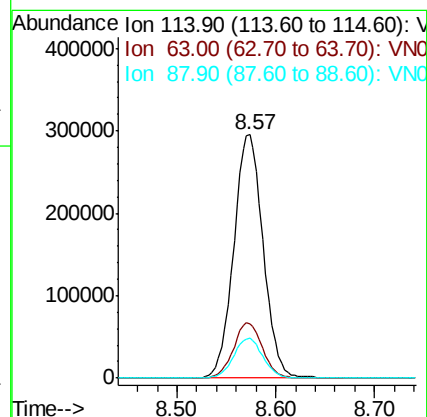
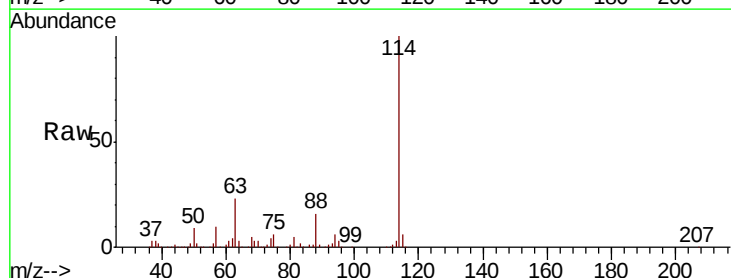
Tgt Ion: 114 Resp: 613369

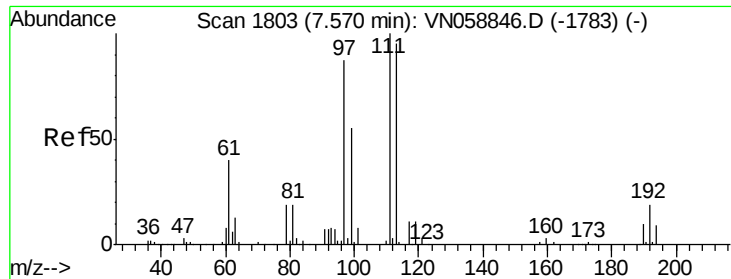
Ion Ratio Lower Upper

114 100

63 22.5 0.0 44.4

88 16.3 0.0 31.4

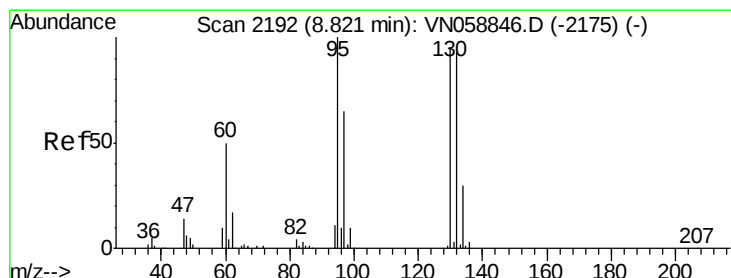
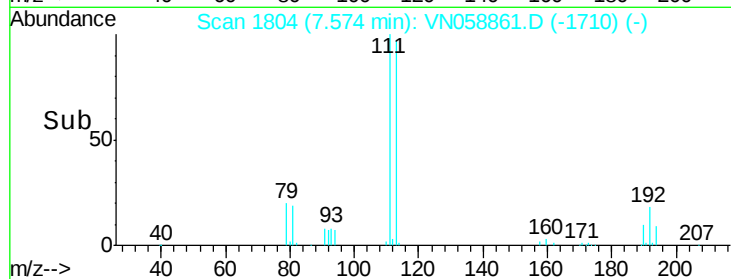
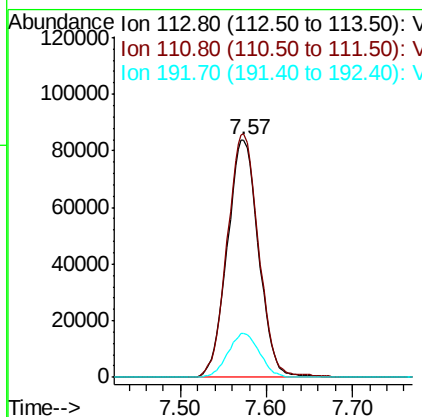
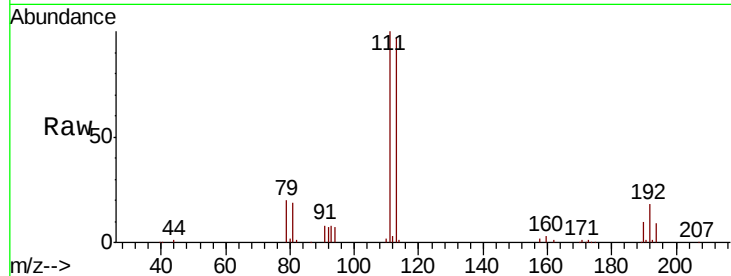




#35  
 Dibromofluoromethane  
 Concen: 52.465 ug/l  
 RT: 7.57 min Scan# 1804  
 Delta R.T. 0.00 min  
 Lab File: VN058861.D  
 Acq: 18 Oct 2019 16:26

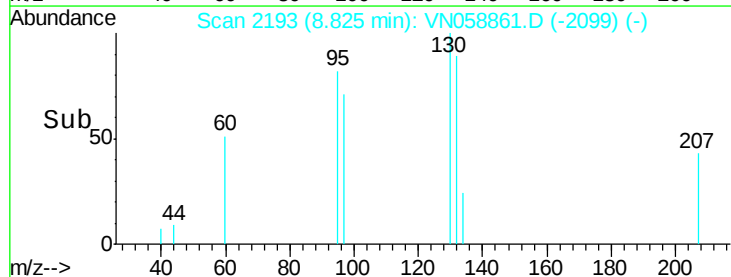
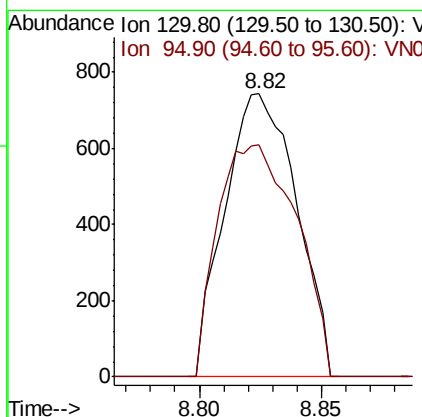
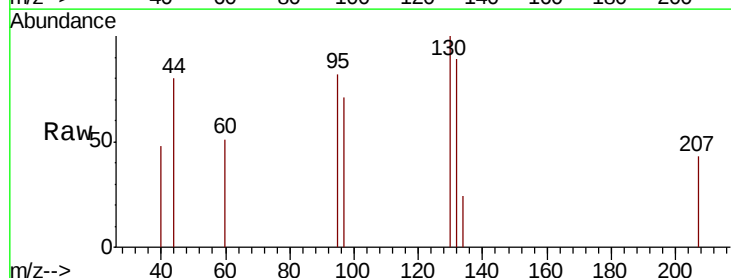
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 FA19-MMW0009

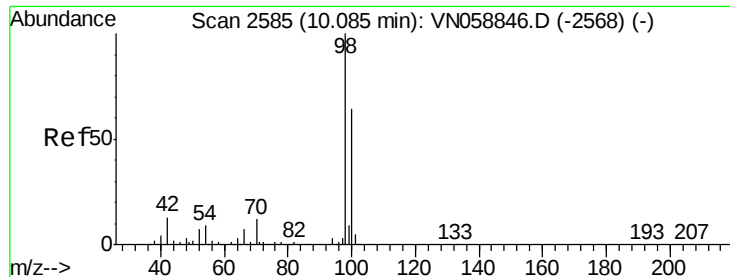
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.3 | 82.0  | 123.0 |
| 192     | 18.8  | 15.0  | 22.6  |



#44  
 Trichloroethene  
 Concen: 0.338 ug/l  
 RT: 8.82 min Scan# 2193  
 Delta R.T. 0.00 min  
 Lab File: VN058861.D  
 Acq: 18 Oct 2019 16:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 82.2  | 0.0   | 209.6 |





#50

Toluene-d8

Concen: 50.727 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058861.D

Acq: 18 Oct 2019 16:26

Instrument :

MSVOA\_N

ClientSampleId :

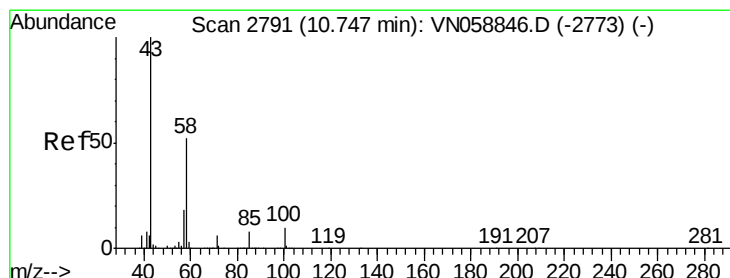
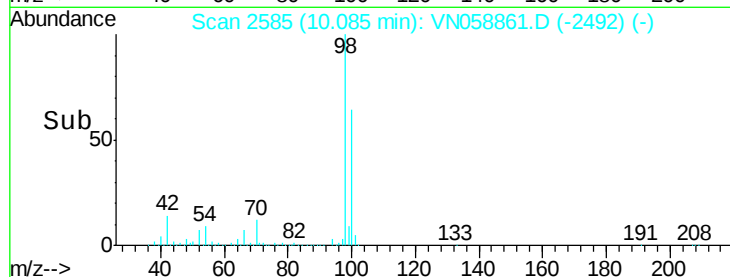
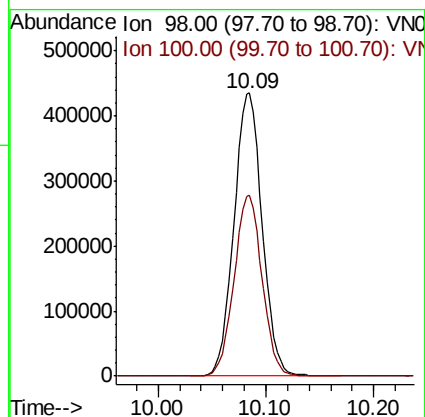
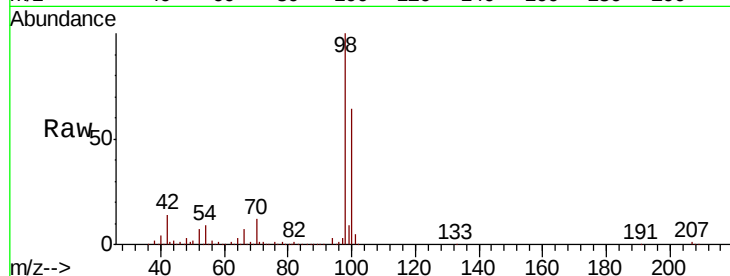
FA19-MMW0009

Tot Ion: 98 Resp: 794103

Ion Ratio Lower Upper

98 100

100 63.3 51.4 77.2



#59

2-Hexanone

Concen: 0.275 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.01 min

Lab File: VN058861.D

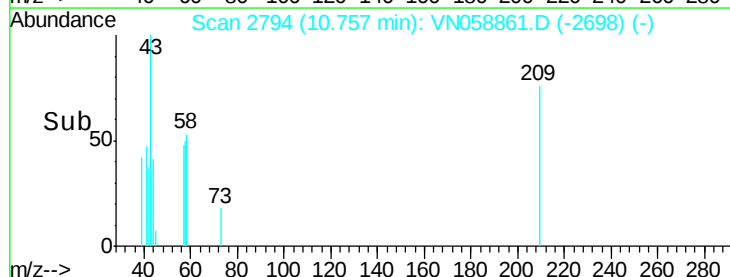
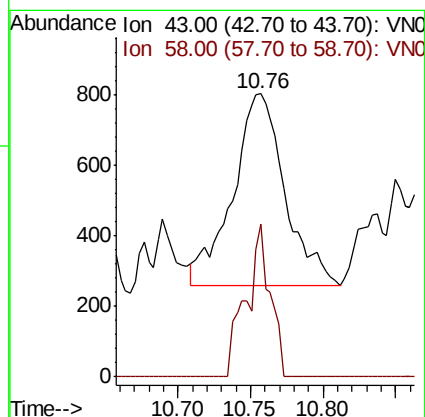
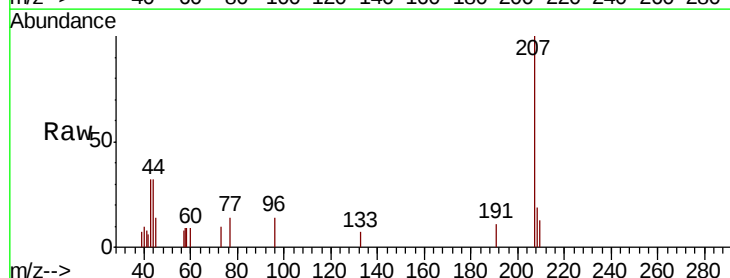
Acq: 18 Oct 2019 16:26

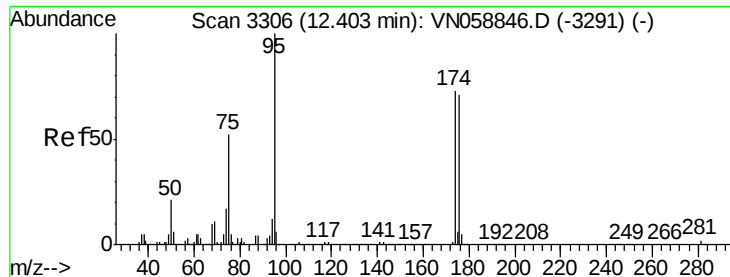
Tgt Ion: 43 Resp: 1364

Ion Ratio Lower Upper

43 100

58 36.5 25.9 77.7





#62

4-Bromofluorobenzene

Concen: 43.875 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058861.D

Acq: 18 Oct 2019 16:26

Instrument :

MSVOA\_N

ClientSampleId :

FA19-MMW0009

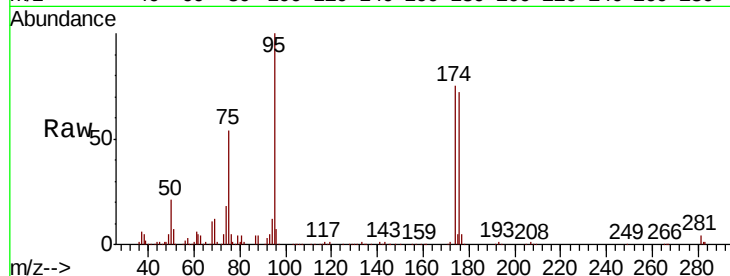
Tot Ion: 95 Resp: 252227

Ion Ratio Lower Upper

95 100

174 74.9 0.0 147.6

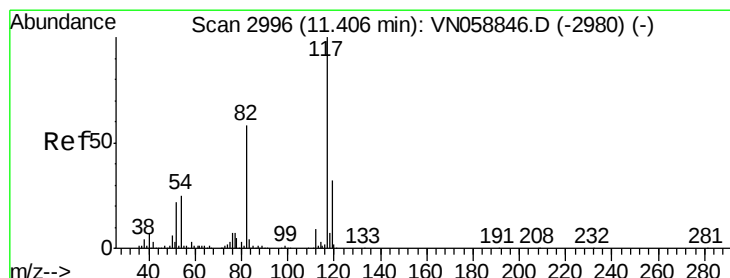
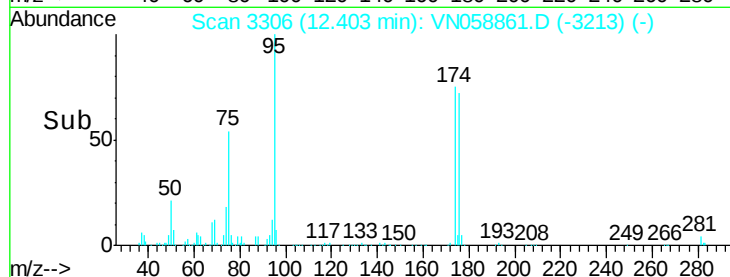
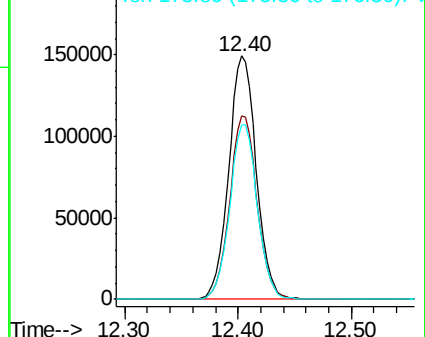
176 71.8 0.0 143.2



Abundance Ion 94.90 (94.60 to 95.60): VN058861.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN058861.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN058861.D (-3213) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058861.D

Acq: 18 Oct 2019 16:26

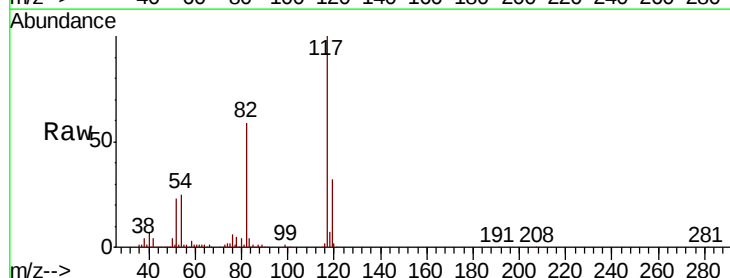
Tgt Ion: 117 Resp: 540581

Ion Ratio Lower Upper

117 100

82 59.1 46.6 69.8

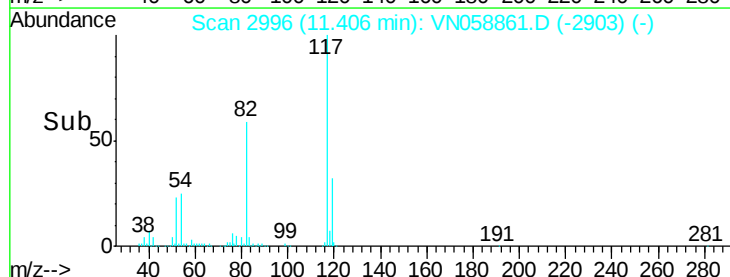
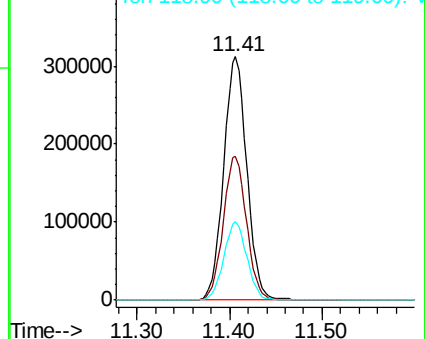
119 32.0 25.6 38.4

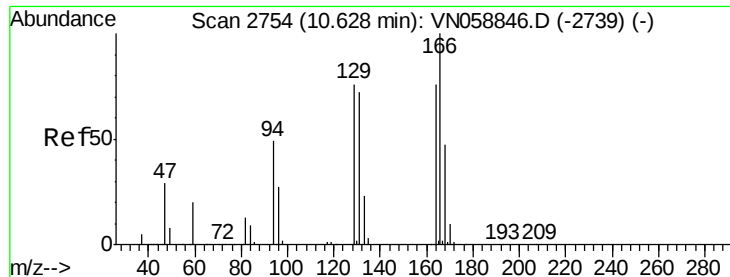


Abundance Ion 116.90 (116.60 to 117.60): VN058861.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN058861.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN058861.D (-2903) (-)

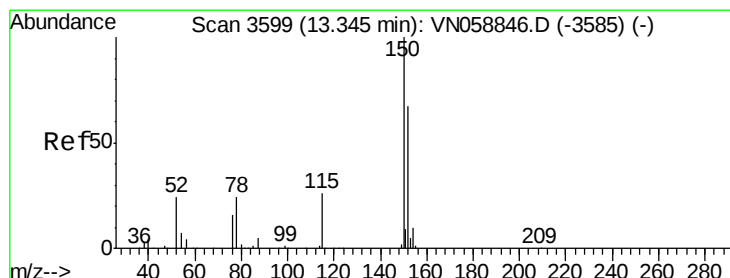
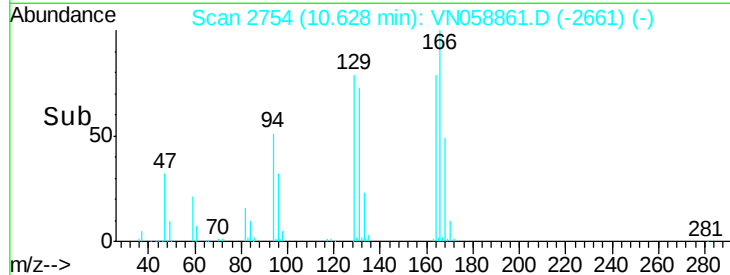
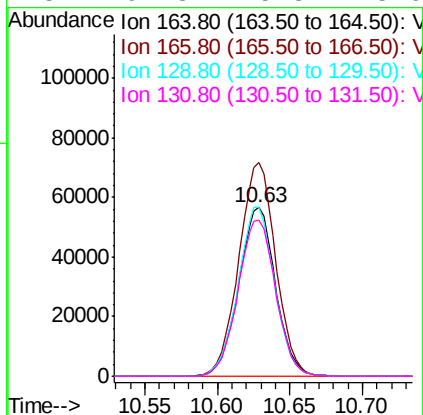
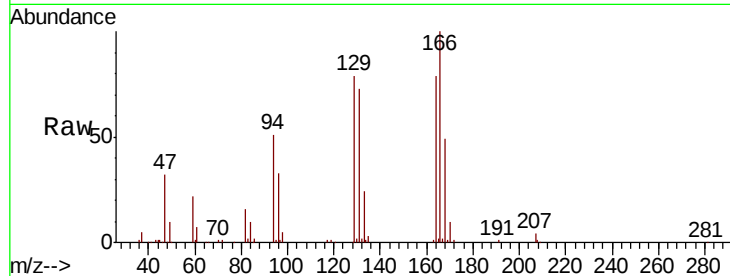




#64  
Tetrachloroethene  
Concen: 26.403 ug/l  
RT: 10.63 min Scan# 2754  
Delta R.T. 0.00 min  
Lab File: VN058861.D  
Acq: 18 Oct 2019 16:26

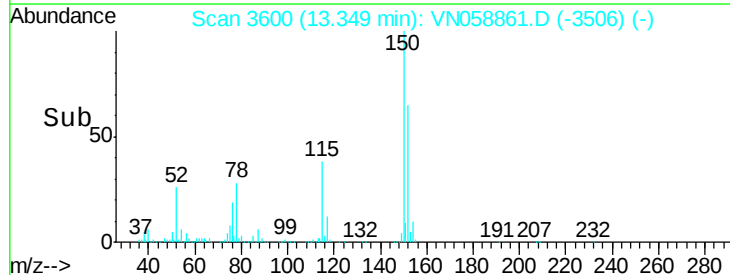
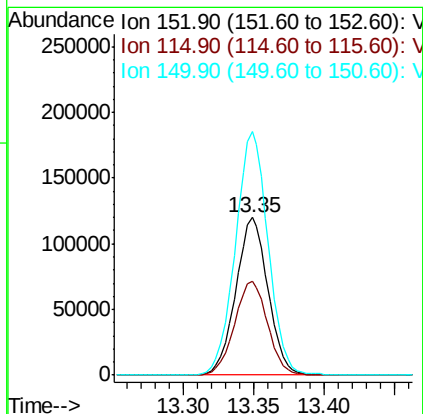
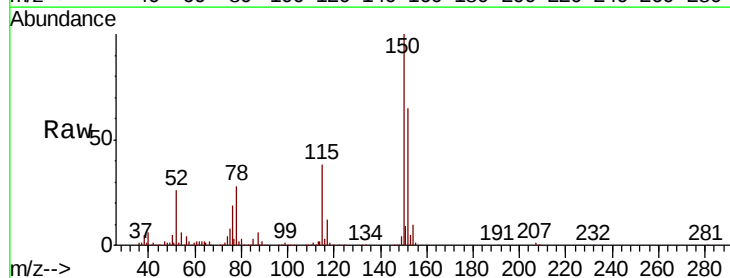
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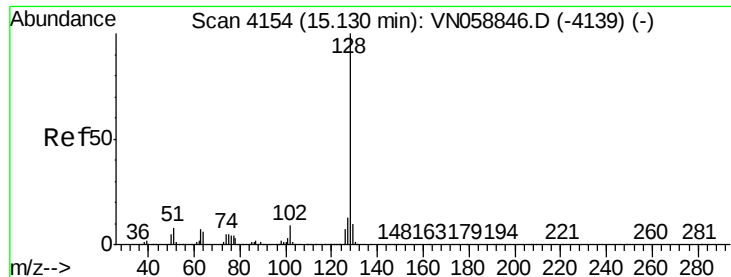
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 126.4 | 104.8 | 157.2 |
| 129     | 99.7  | 79.3  | 118.9 |
| 131     | 92.3  | 75.8  | 113.6 |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3600  
Delta R.T. 0.00 min  
Lab File: VN058861.D  
Acq: 18 Oct 2019 16:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 61.1  | 30.5  | 91.5  |
| 150     | 156.7 | 0.0   | 344.4 |





#95  
Naphthalene  
Concen: 2.812 ug/l  
RT: 15.14 min Scan# 4156  
Delta R.T. 0.01 min  
Lab File: VN058861.D  
Acq: 18 Oct 2019 16:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
FA19-MMW0009

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.4  | 10.2  | 15.2  |
| 129     | 9.3   | 8.4   | 12.6  |

