

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072518\  
 Data File : VN050061.D  
 Acq On : 25 Jul 2018 23:04  
 Operator : MD\SY  
 Sample : PB111424ZHE#08  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB111424ZHE#08

Quant Time: Jul 26 07:32:17 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072418W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 24 06:27:04 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 601445   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1024910  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 869180   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 290688   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 439198   | 52.34 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 104.68% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 390501   | 46.67 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 93.34%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1390452  | 45.20 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 90.40%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 366993   | 36.23 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 72.46%  |          |

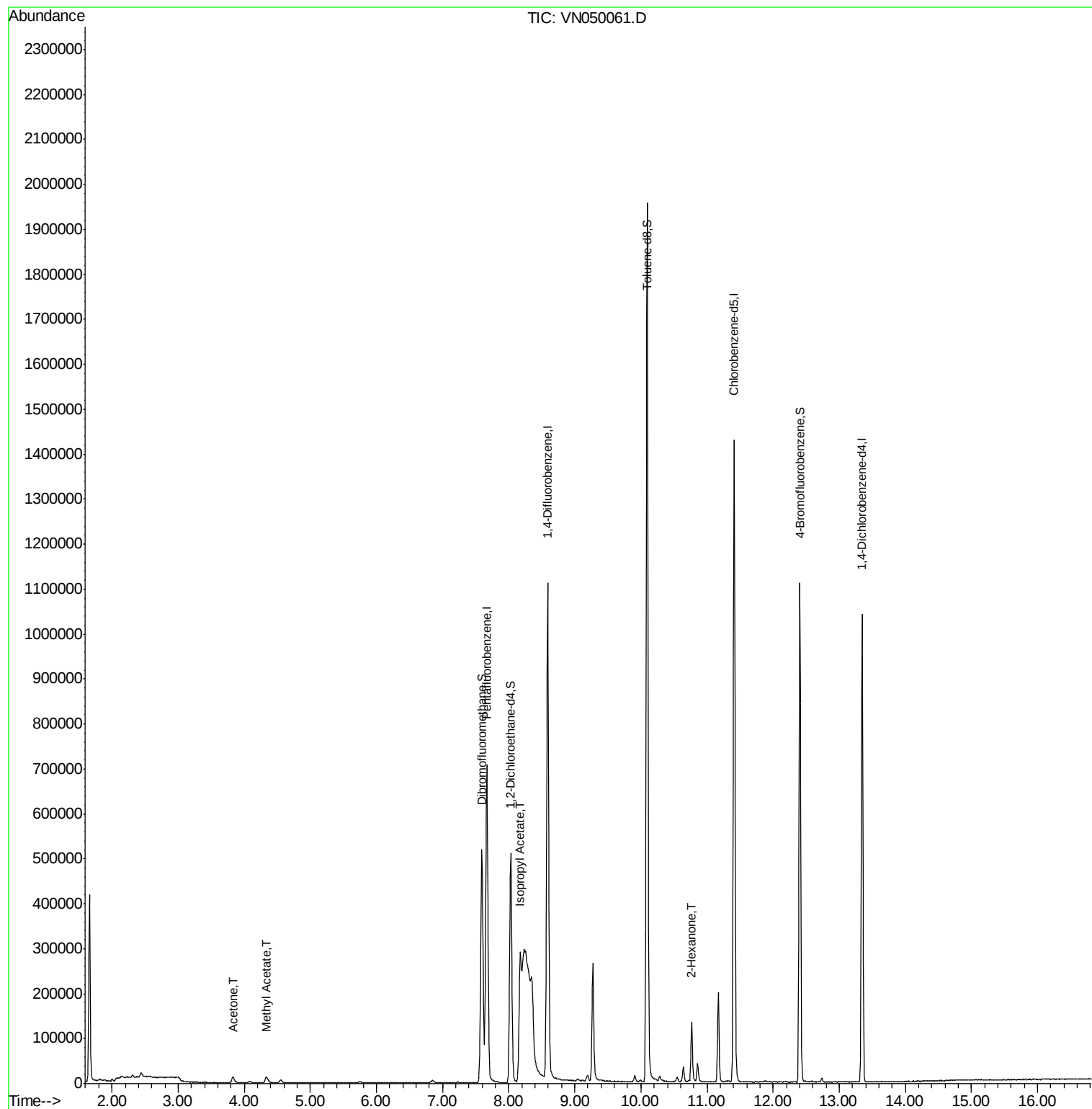
| Target Compounds      | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|-----------------------|-------|------|----------|-------|--------|--------|
| 16) Acetone           | 3.82  | 43   | 22472    | 7.15  | ug/l   | 99     |
| 18) Methyl Acetate    | 4.33  | 43   | 25269    | 1.71  | ug/l   | 100    |
| 43) Isopropyl Acetate | 8.17  | 43   | 354657   | 22.76 | ug/l # | 88     |
| 59) 2-Hexanone        | 10.77 | 43   | 18157    | 8.23  | ug/l # | 61     |

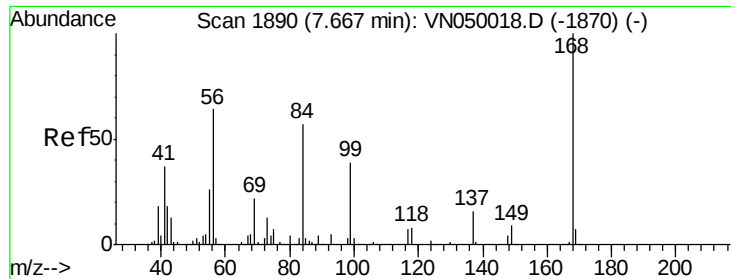
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Jul 24 06:27:04 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050061.D

Acq: 25 Jul 2018 23:04

Instrument :

MSVOA\_N

ClientSampleId :

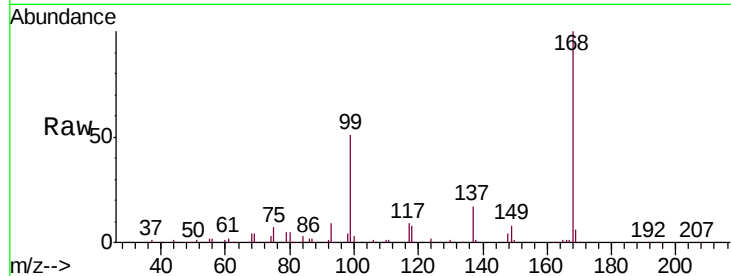
PB111424ZHE#08

Tot Ion:168 Resp: 601445

Ion Ratio Lower Upper

168 100

99 51.4 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

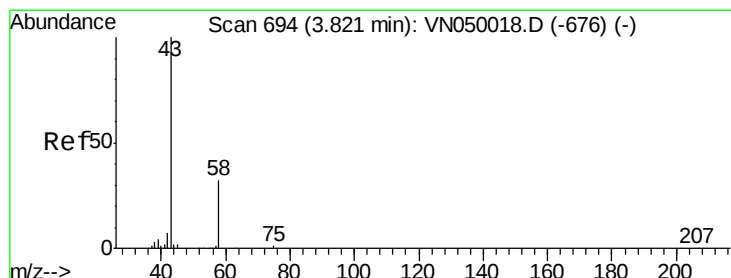
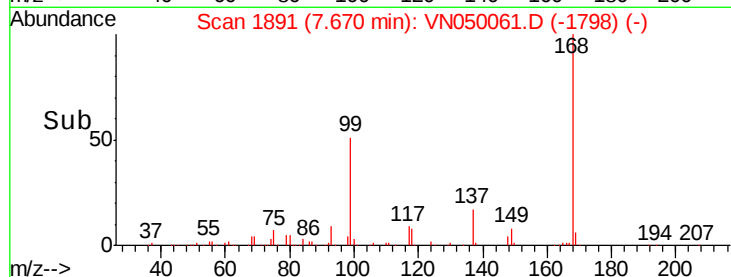
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 7.15 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050061.D

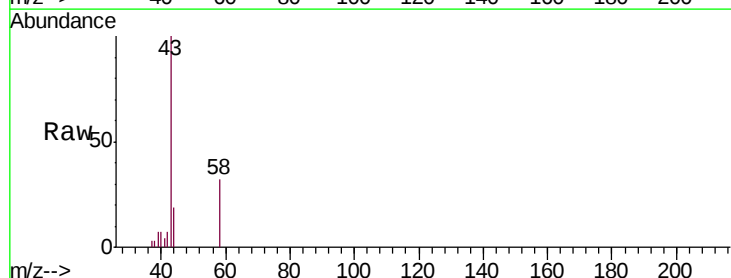
Acq: 25 Jul 2018 23:04

Tgt Ion: 43 Resp: 22472

Ion Ratio Lower Upper

43 100

58 32.7 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.82

8000

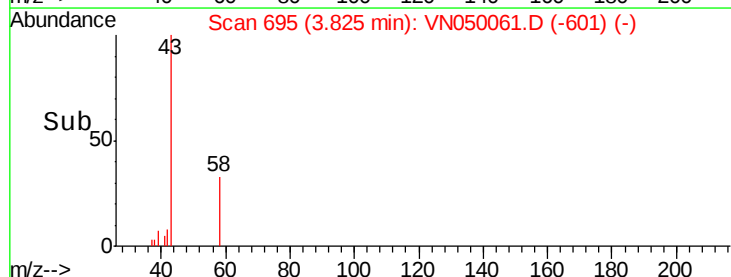
6000

4000

2000

0

Time-->

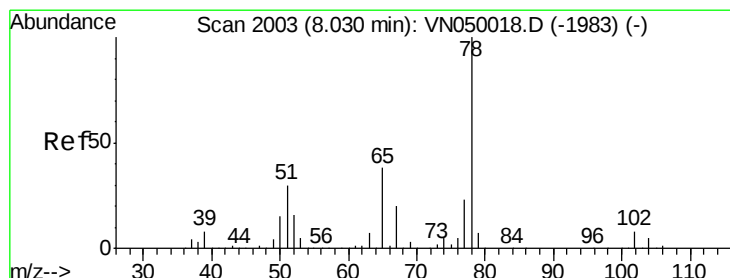
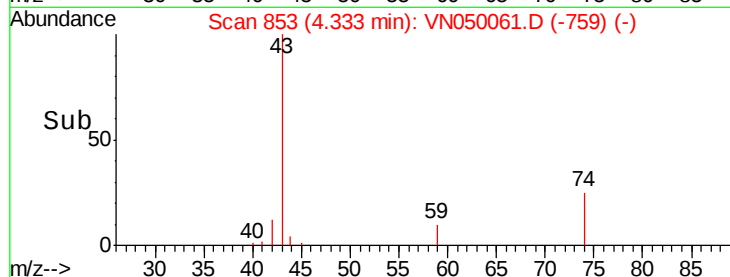
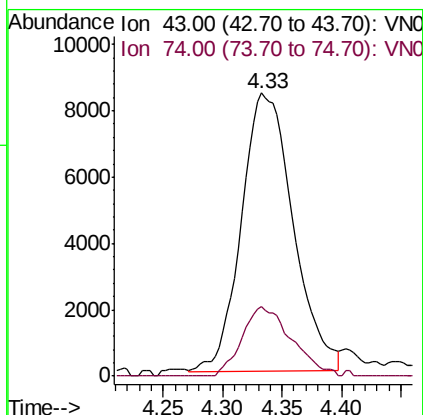
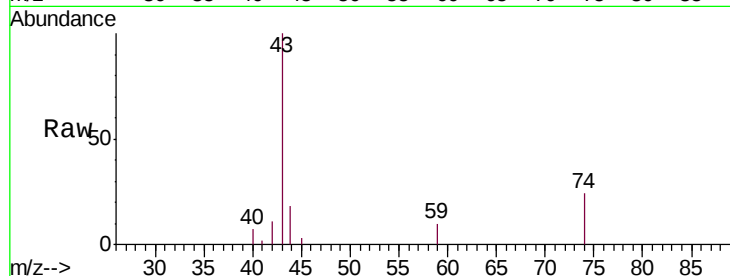




#18  
Methvl Acetate  
Concen: 1.71 ug/l  
RT: 4.33 min Scan# 853  
Delta R.T. 0.00 min  
Lab File: VN050061.D  
Acq: 25 Jul 2018 23:04

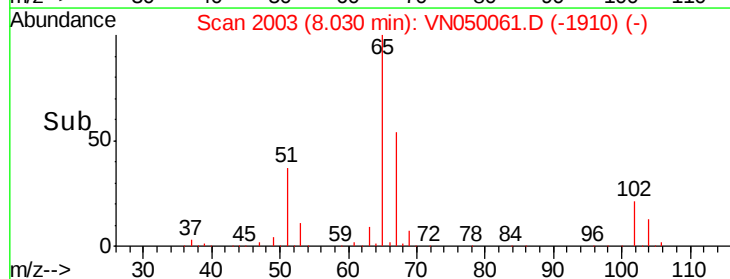
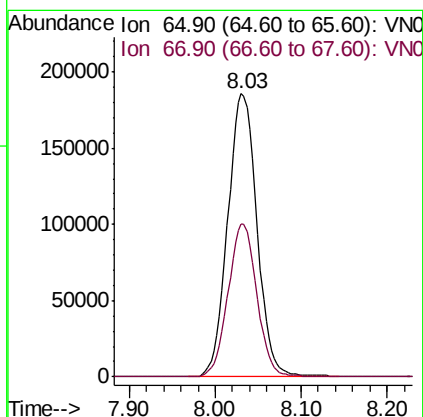
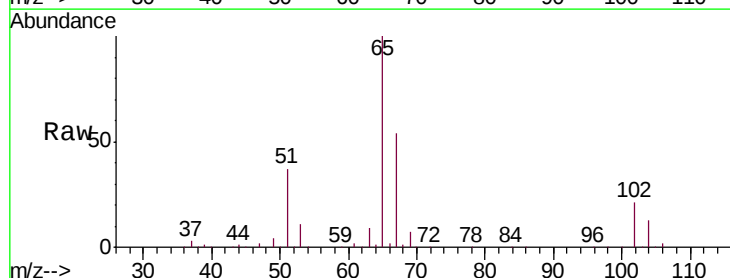
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB111424ZHE#08

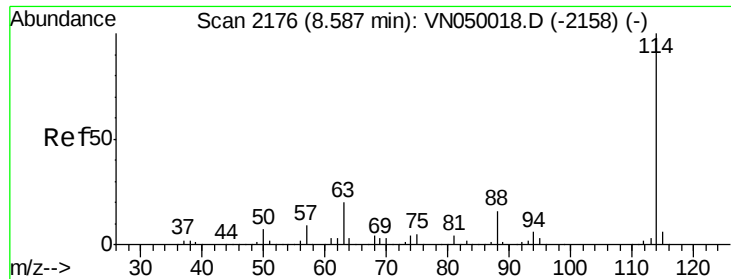
Tot Ion: 43 Resp: 25269  
Ion Ratio Lower Upper  
43 100  
74 23.8 19.2 28.8



#33  
1,2-Dichloroethane-d4  
Concen: 52.34 ug/l  
RT: 8.03 min Scan# 2003  
Delta R.T. 0.00 min  
Lab File: VN050061.D  
Acq: 25 Jul 2018 23:04

Tgt Ion: 65 Resp: 439198  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 108.4

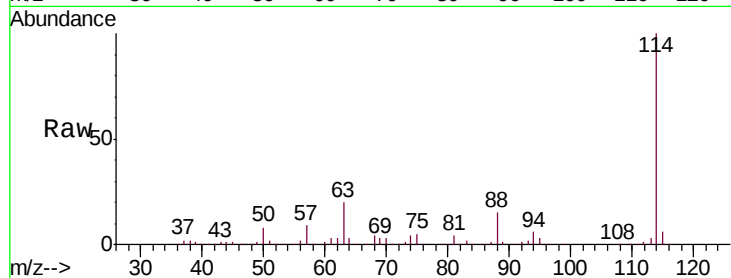




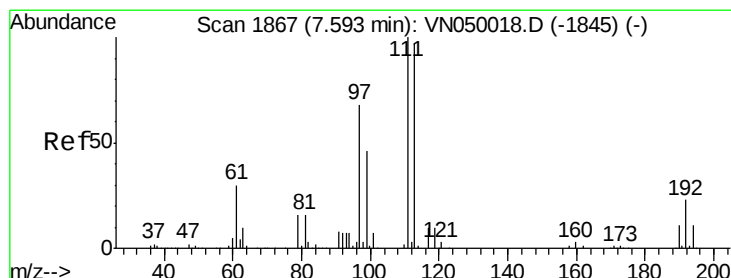
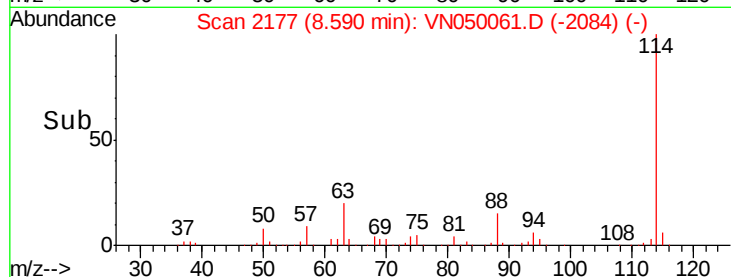
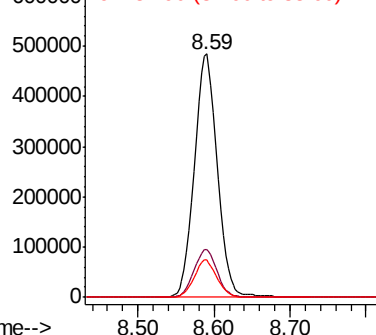
#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.59 min Scan# 2177  
Delta R.T. 0.00 min  
Lab File: VN050061.D  
Acq: 25 Jul 2018 23:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB111424ZHE#08

Tot Ion:114 Resp: 1024910  
Ion Ratio Lower Upper  
114 100  
63 19.8 0.0 40.0  
88 15.3 0.0 31.2

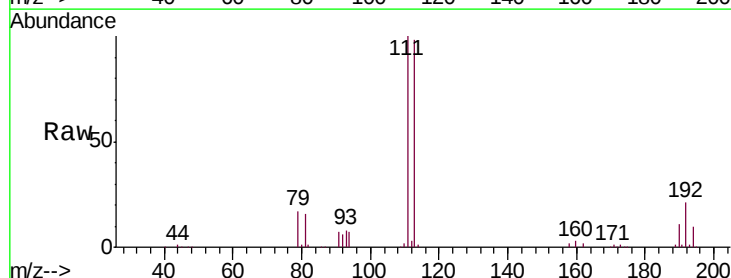


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VN  
Ion 87.90 (87.60 to 88.60): VN

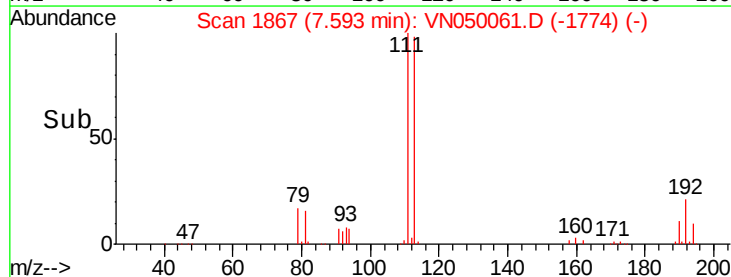
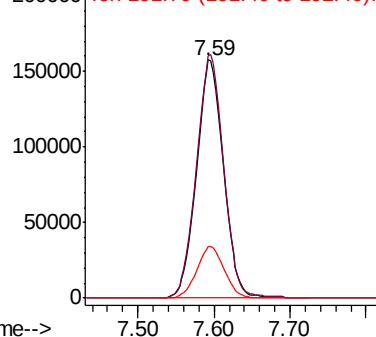


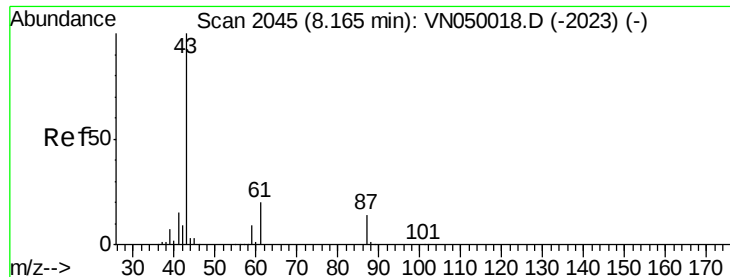
#35  
Dibromofluoromethane  
Concen: 46.67 ug/l  
RT: 7.59 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VN050061.D  
Acq: 25 Jul 2018 23:04

Tgt Ion:113 Resp: 390501  
Ion Ratio Lower Upper  
113 100  
111 102.9 80.7 121.1  
192 22.0 17.8 26.6



Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V



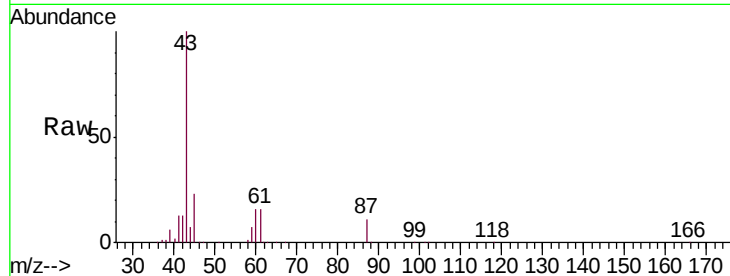


#43

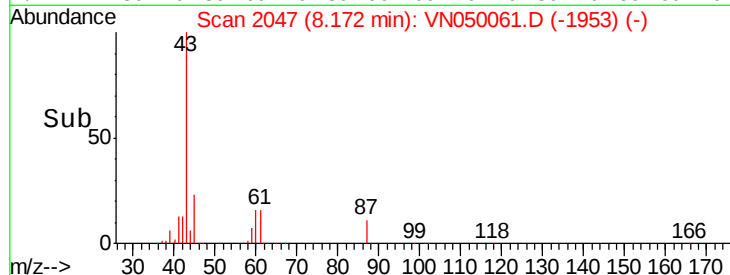
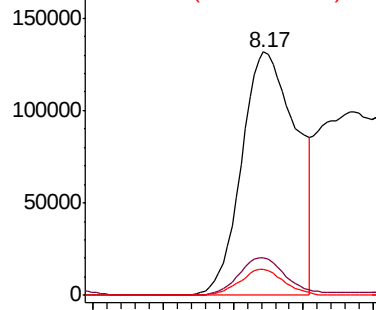
Isopropyl Acetate  
 Concen: 22.76 ug/l  
 RT: 8.17 min Scan# 2047  
 Delta R.T. 0.00 min  
 Lab File: VN050061.D  
 Acq: 25 Jul 2018 23:04

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB111424ZHE#08

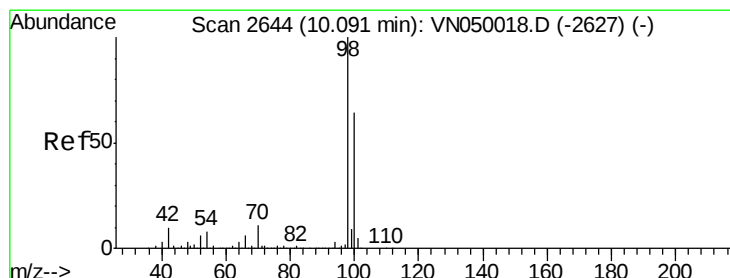
Tot Ion: 43 Resp: 354657  
 Ion Ratio Lower Upper  
 43 100  
 61 13.5 15.8 23.6#  
 87 8.7 10.3 15.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0  
 Ion 61.00 (60.70 to 61.70): VN0  
 Ion 87.00 (86.70 to 87.70): VN0



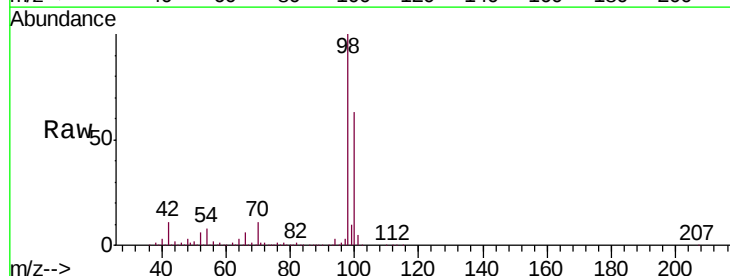
Time-->



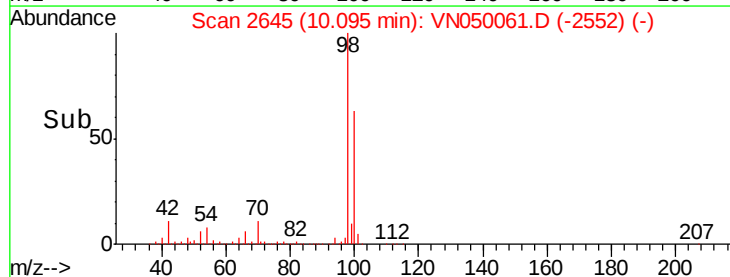
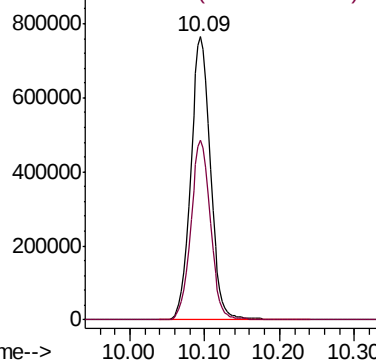
#50

Toluene-d8  
 Concen: 45.20 ug/l  
 RT: 10.09 min Scan# 2645  
 Delta R.T. 0.00 min  
 Lab File: VN050061.D  
 Acq: 25 Jul 2018 23:04

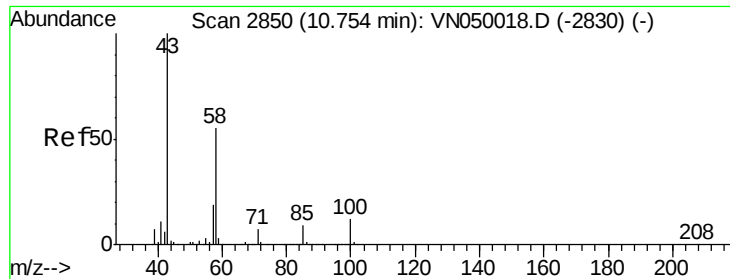
Tgt Ion: 98 Resp: 1390452  
 Ion Ratio Lower Upper  
 98 100  
 100 63.2 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0  
 Ion 100.00 (99.70 to 100.70): VN0



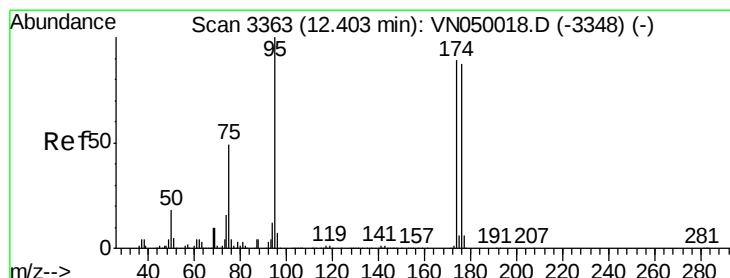
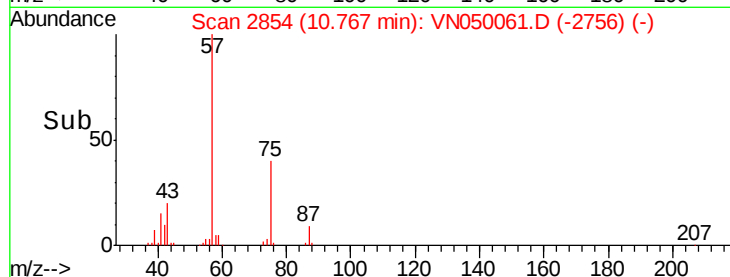
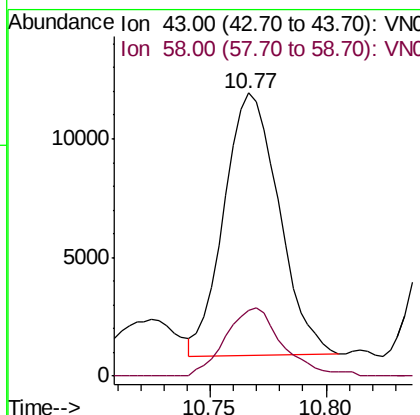
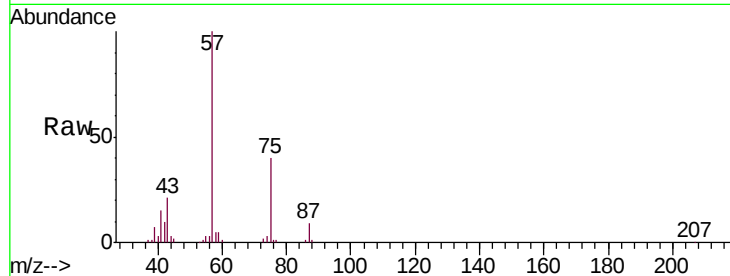
Time-->



#59  
2-Hexanone  
Concen: 8.23 ug/l  
RT: 10.77 min Scan# 2854  
Delta R.T. 0.01 min  
Lab File: VN050061.D  
Acq: 25 Jul 2018 23:04

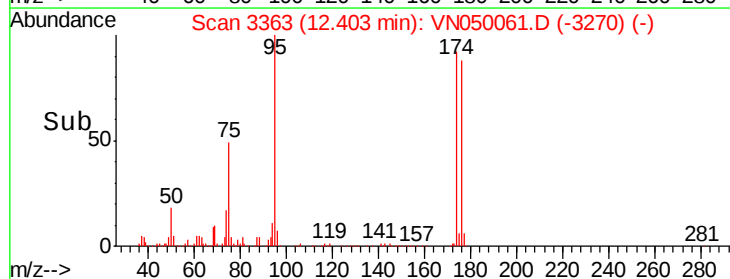
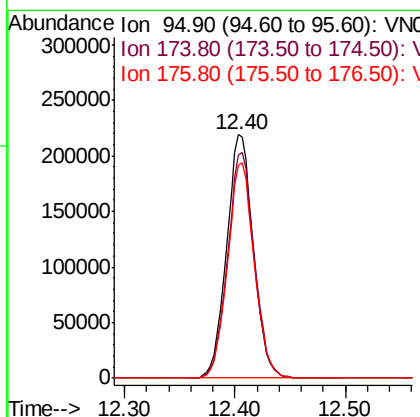
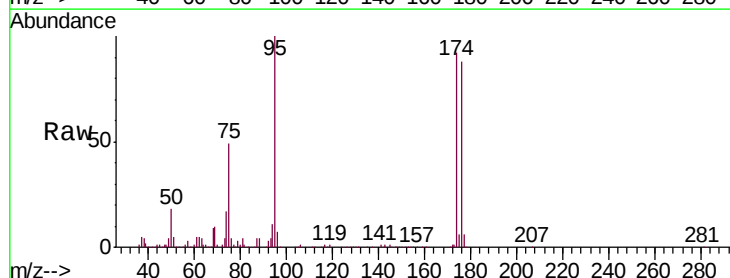
Instrument :  
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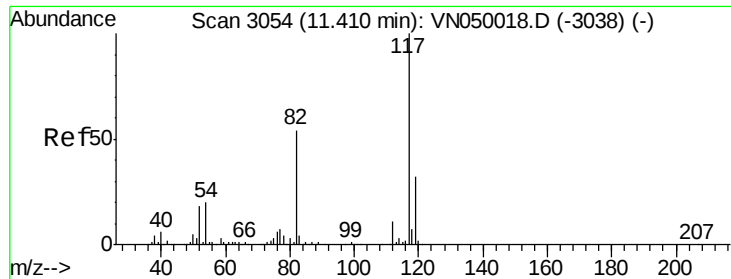
Tot Ion: 43 Resp: 18157  
Ion Ratio Lower Upper  
43 100  
58 27.1 27.6 82.7#



#62  
4-Bromofluorobenzene  
Concen: 36.23 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. 0.00 min  
Lab File: VN050061.D  
Acq: 25 Jul 2018 23:04

Tgt Ion: 95 Resp: 366993  
Ion Ratio Lower Upper  
95 100  
174 92.9 0.0 178.2  
176 88.3 0.0 173.4

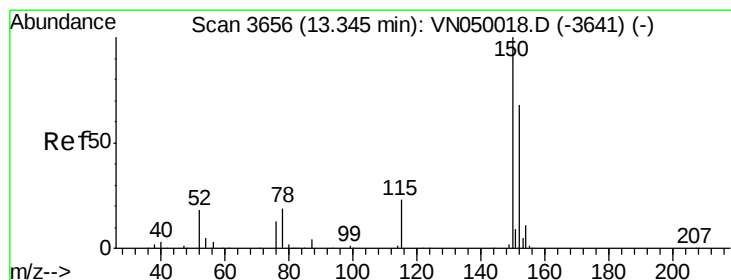
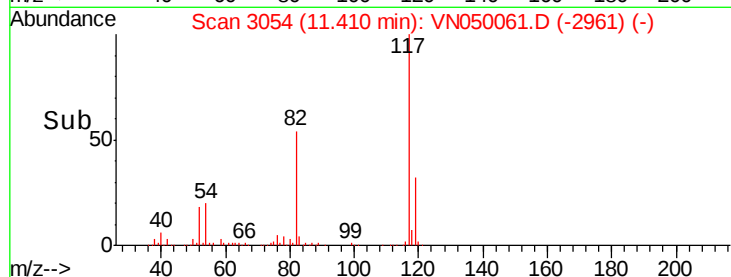
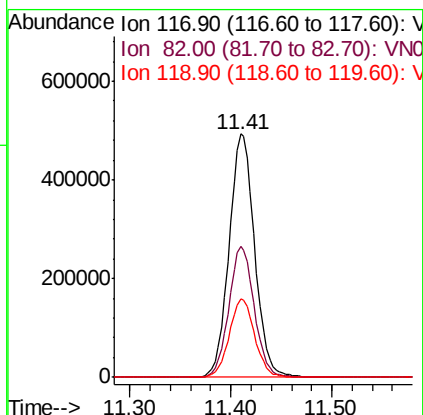
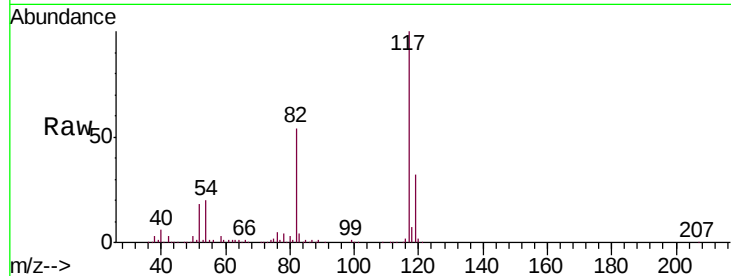




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN050061.D  
Acq: 25 Jul 2018 23:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB111424ZHE#08

Tot Ion:117 Resp: 869180  
Ion Ratio Lower Upper  
117 100  
82 53.9 43.7 65.5  
119 32.0 26.1 39.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.35 min Scan# 3657  
Delta R.T. 0.00 min  
Lab File: VN050061.D  
Acq: 25 Jul 2018 23:04

Tgt Ion:152 Resp: 290688  
Ion Ratio Lower Upper  
152 100  
115 55.3 27.8 83.3  
150 157.5 0.0 348.6

