

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091720\  
 Data File : VN063419.D  
 Acq On : 17 Sep 2020 15:14  
 Operator : JC/MD  
 Sample : PB131674ZHE#02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB131674ZHE#02

Quant Time: Sep 18 03:50:54 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091620W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 16 13:05:20 2020  
 Response via : Initial Calibration

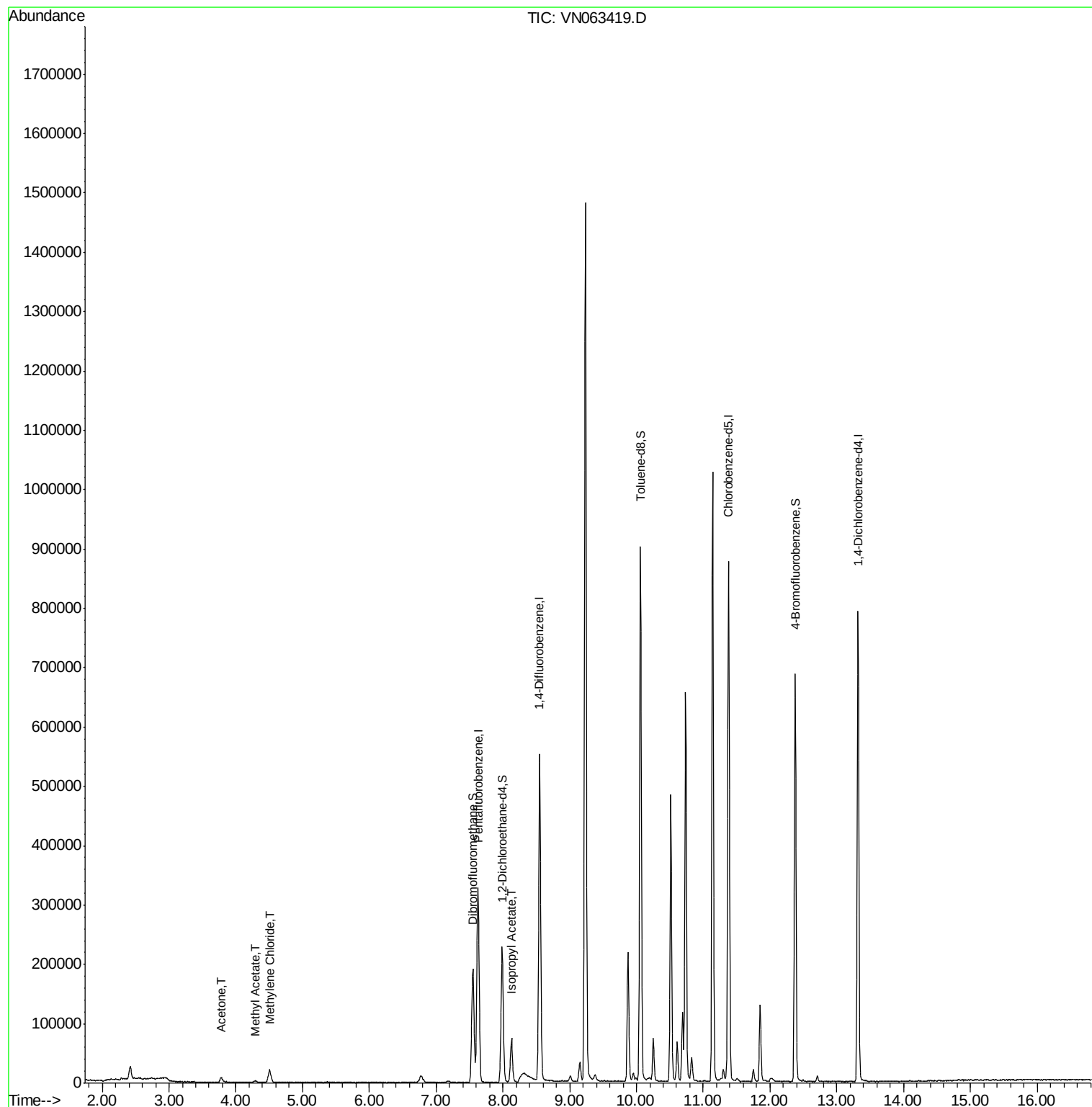
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 240381   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 456052   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 458913   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 194381   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 197685   | 48.31  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.62%  |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 142774   | 45.22  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 90.44%  |          |
| 50) Toluene-d8              | 10.06 | 98   | 582376   | 49.06  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.12%  |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 231545   | 53.21  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.42% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.78  | 43   | 13792    | 10.488 | ug/l    | 95       |
| 18) Methyl Acetate          | 4.29  | 43   | 5798     | 1.737  | ug/l #  | 72       |
| 20) Methylene Chloride      | 4.51  | 84   | 14512    | 4.355  | ug/l    | 96       |
| 43) Isopropyl Acetate       | 8.13  | 43   | 89973    | 10.552 | ug/l    | 99       |

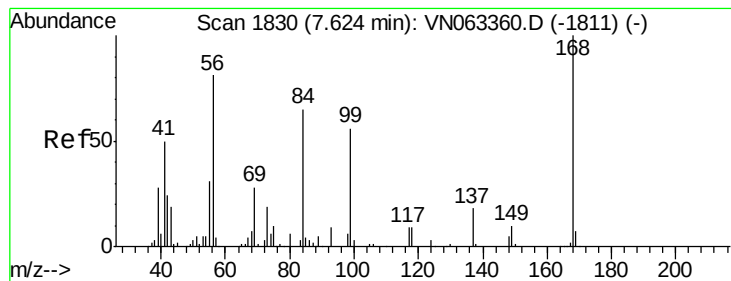
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091720\  
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Sample : PB131674ZHE#02  
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ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
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Quant Time: Sep 18 03:50:54 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N091620W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 16 13:05:20 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063419.D

Acq: 17 Sep 2020 15:14

Instrument :

MSVOA\_N

ClientSampleId :

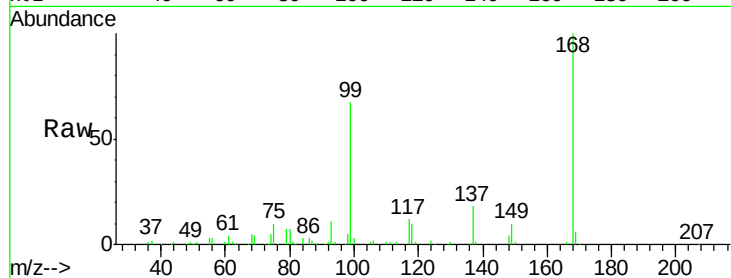
PB131674ZHE#02

Tot Ion:168 Resp: 240381

Ion Ratio Lower Upper

168 100

99 67.0 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

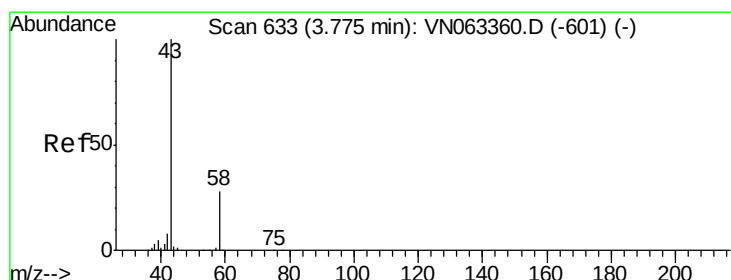
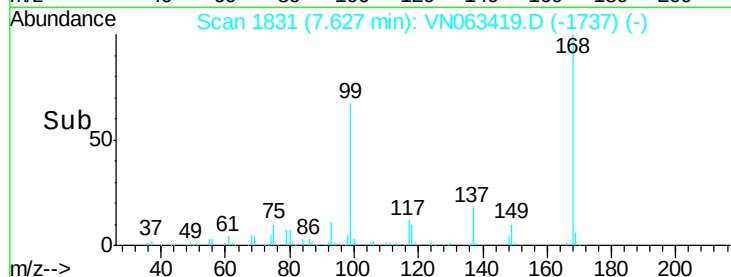
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 10.488 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN063419.D

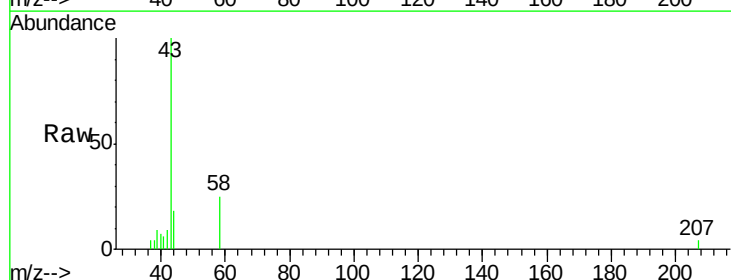
Acq: 17 Sep 2020 15:14

Tgt Ion: 43 Resp: 13792

Ion Ratio Lower Upper

43 100

58 25.4 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.78

6000

5000

4000

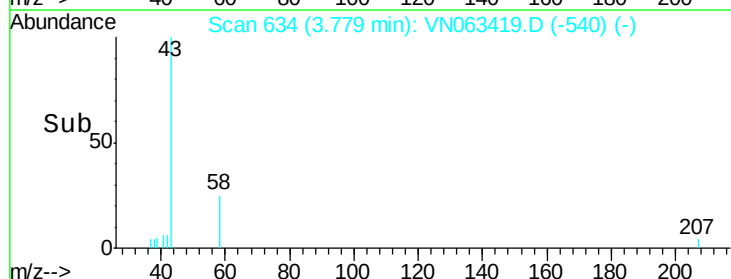
3000

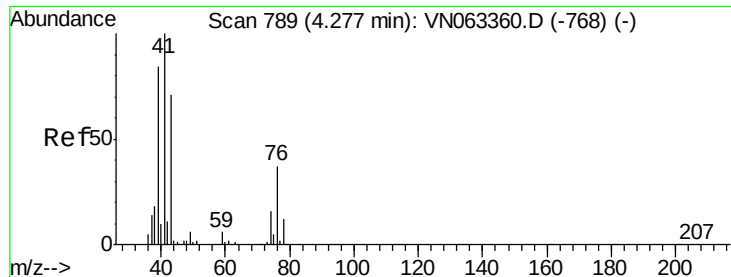
2000

1000

0

Time--> 3.70 3.75 3.80 3.85





#18

Methyl Acetate

Concen: 1.737 ug/l

RT: 4.29 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN063419.D

Acq: 17 Sep 2020 15:14

Instrument :

MSVOA\_N

ClientSampleId :

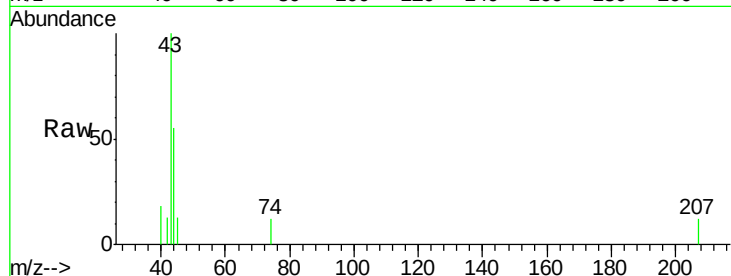
PB131674ZHE#02

Tot Ion: 43 Resp: 5798

Ion Ratio Lower Upper

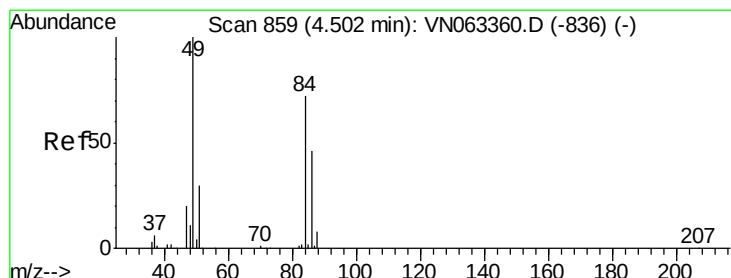
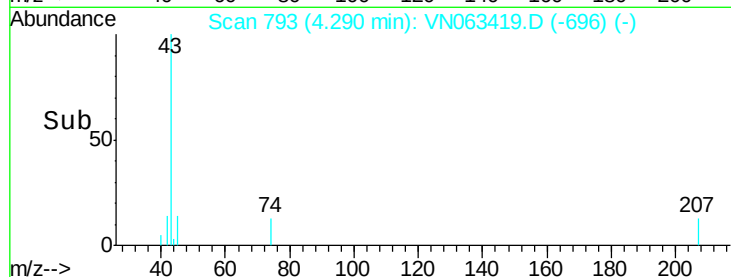
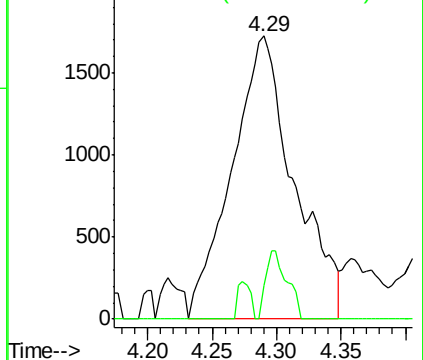
43 100

74 8.3 17.4 26.2#



Abundance Ion 43.00 (42.70 to 43.70): VN063419.D (-696) (-)

Ion 74.00 (73.70 to 74.70): VN063419.D (-696) (-)



#20

Methylene Chloride

Concen: 4.355 ug/l

RT: 4.51 min Scan# 861

Delta R.T. 0.01 min

Lab File: VN063419.D

Acq: 17 Sep 2020 15:14

Tgt Ion: 84 Resp: 14512

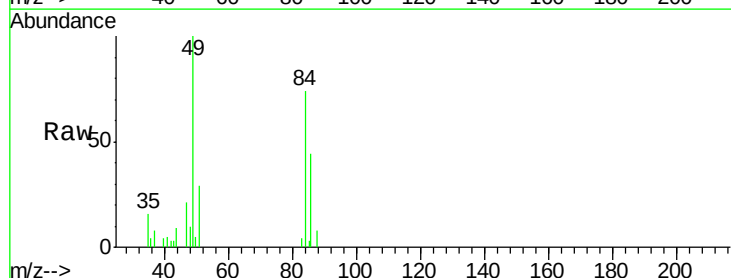
Ion Ratio Lower Upper

84 100

49 134.9 110.7 166.1

51 39.3 32.9 49.3

86 58.8 51.1 76.7

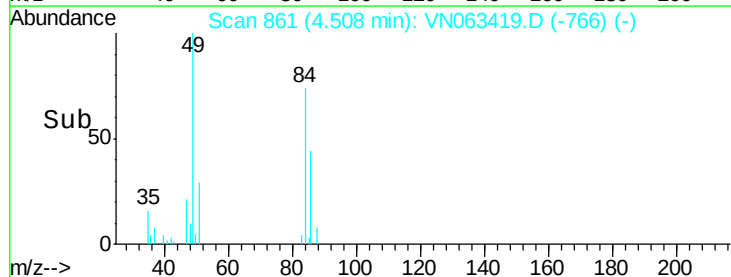
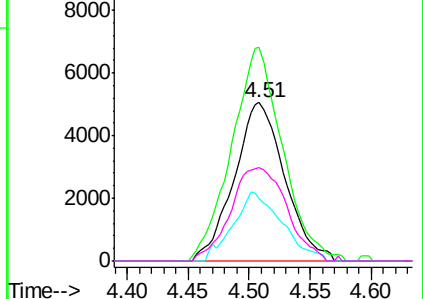


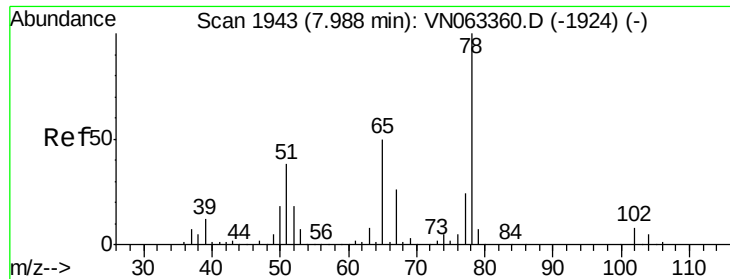
Abundance Ion 83.90 (83.60 to 84.60): VN063419.D (-766) (-)

Ion 48.90 (48.60 to 49.60): VN063419.D (-766) (-)

Ion 50.90 (50.60 to 51.60): VN063419.D (-766) (-)

Ion 85.90 (85.60 to 86.60): VN063419.D (-766) (-)

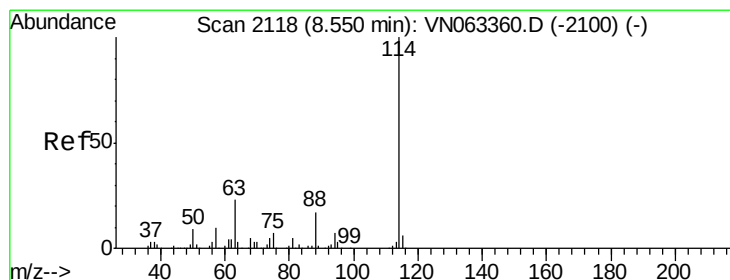
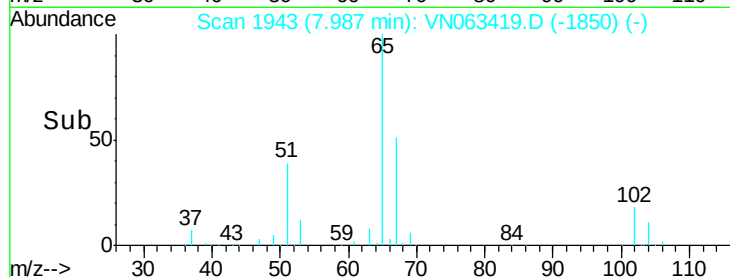
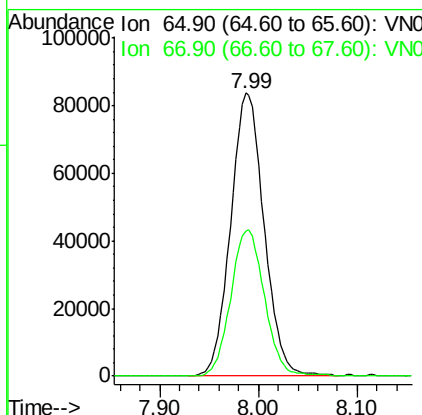
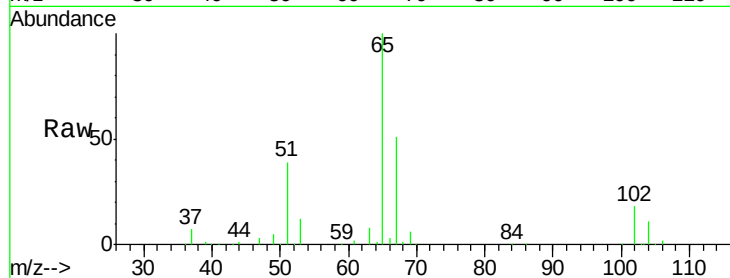




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.311 ug/l  
 RT: 7.99 min Scan# 1943  
 Delta R.T. -0.00 min  
 Lab File: VN063419.D  
 Acq: 17 Sep 2020 15:14

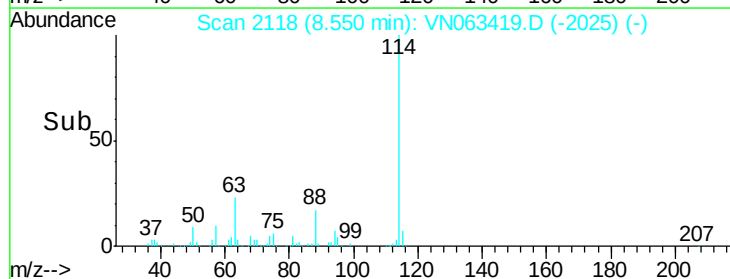
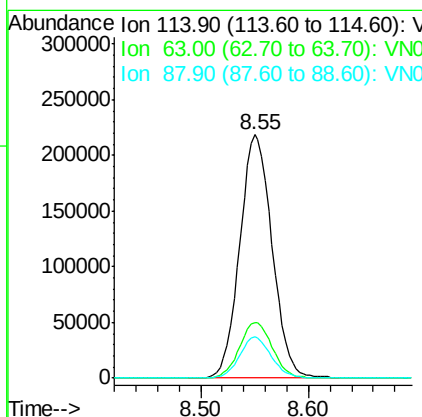
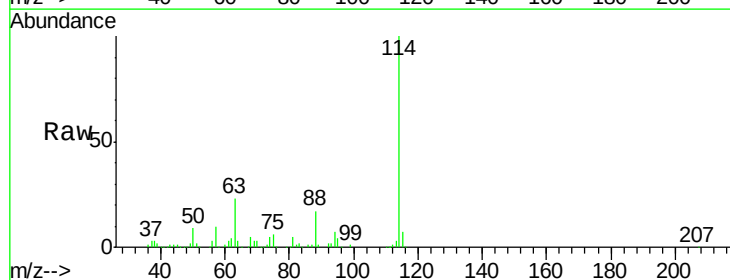
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB131674ZHE#02

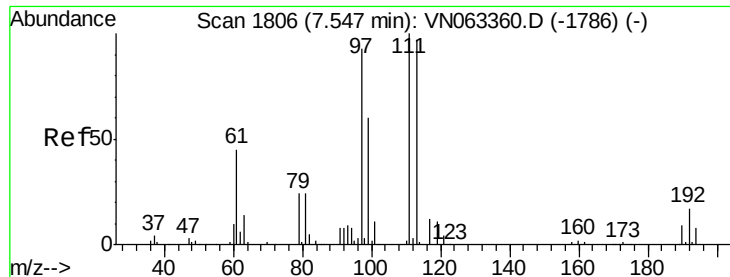
Tot Ion: 65 Resp: 197685  
 Ion Ratio Lower Upper  
 65 100  
 67 51.8 0.0 104.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2118  
 Delta R.T. -0.00 min  
 Lab File: VN063419.D  
 Acq: 17 Sep 2020 15:14

Tgt Ion: 114 Resp: 456052  
 Ion Ratio Lower Upper  
 114 100  
 63 22.9 0.0 46.4  
 88 16.9 0.0 33.2

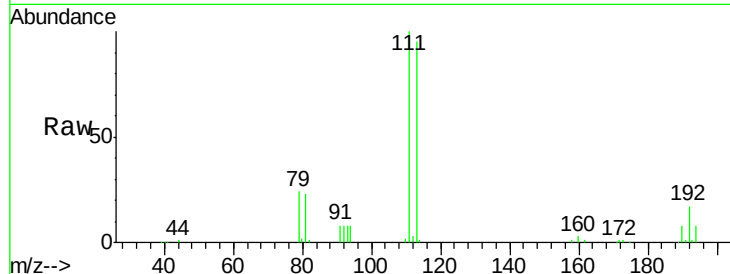




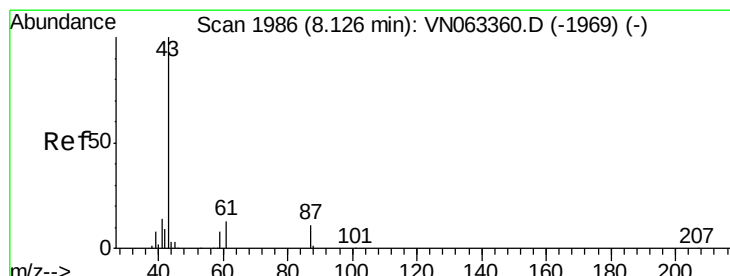
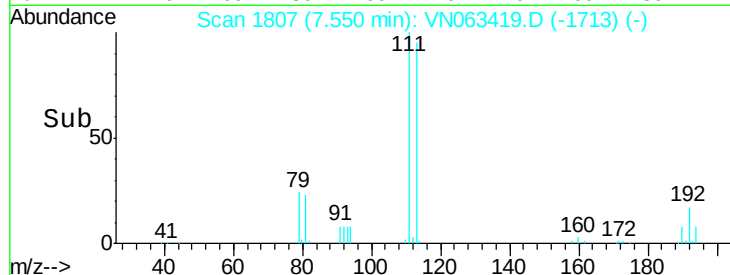
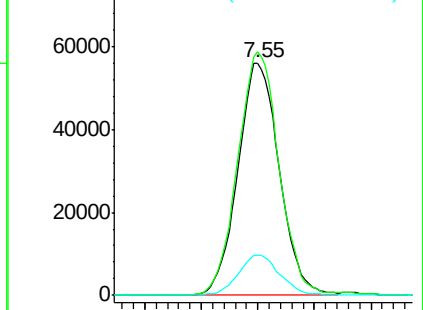
#35  
 Dibromofluoromethane  
 Concen: 45.222 ug/l  
 RT: 7.55 min Scan# 1807  
 Delta R.T. 0.00 min  
 Lab File: VN063419.D  
 Acq: 17 Sep 2020 15:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB131674ZHE#02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 105.4 | 82.9  | 124.3 |
| 192     | 17.3  | 13.9  | 20.9  |

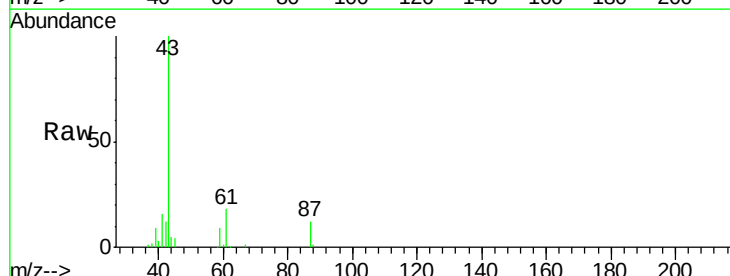


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

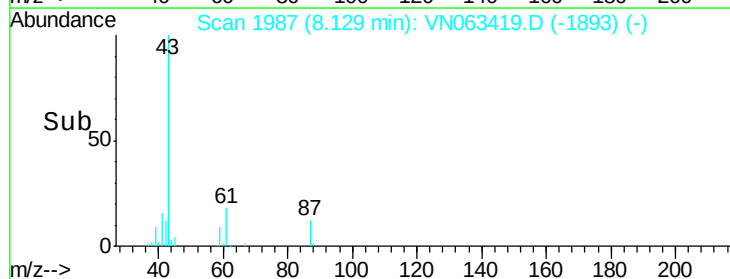
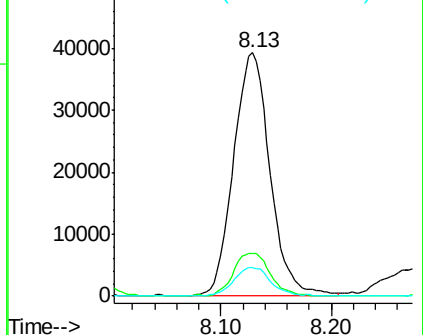


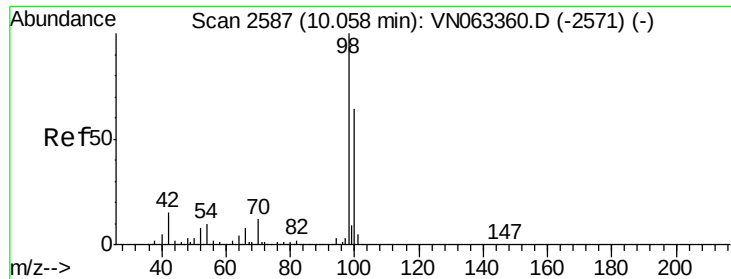
#43  
 Isopropyl Acetate  
 Concen: 10.552 ug/l  
 RT: 8.13 min Scan# 1987  
 Delta R.T. 0.00 min  
 Lab File: VN063419.D  
 Acq: 17 Sep 2020 15:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 17.7  | 14.2  | 21.2  |
| 87      | 11.9  | 9.0   | 13.6  |



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





#50

Toluene-d8

Concen: 49.057 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063419.D

Acq: 17 Sep 2020 15:14

Instrument :

MSVOA\_N

ClientSampleId :

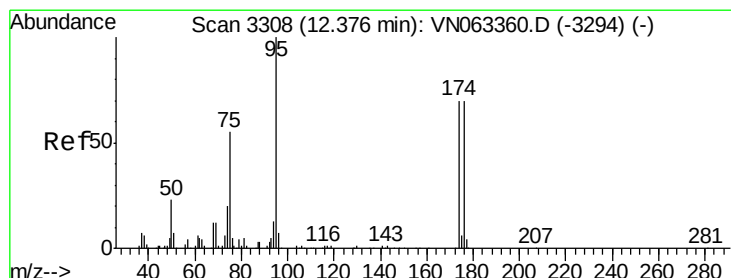
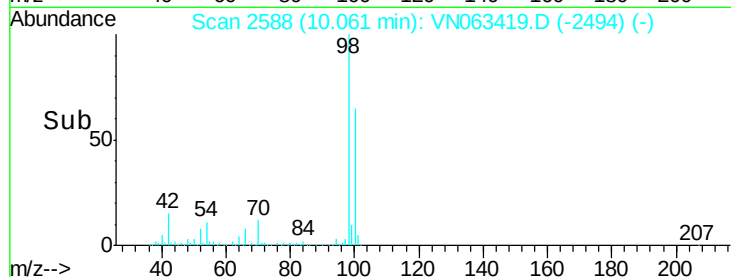
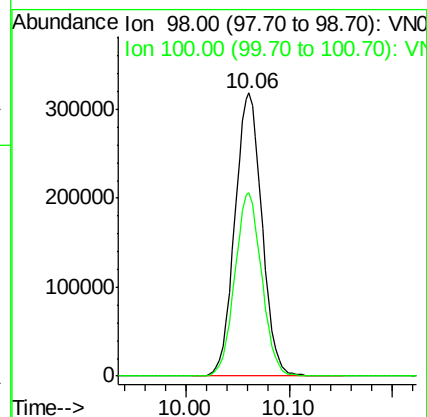
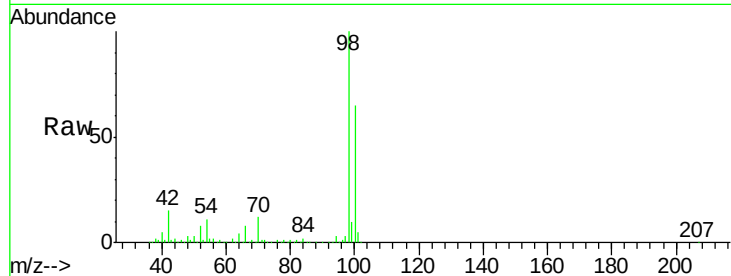
PB131674ZHE#02

Tot Ion: 98 Resp: 582376

Ion Ratio Lower Upper

98 100

100 64.3 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 53.206 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063419.D

Acq: 17 Sep 2020 15:14

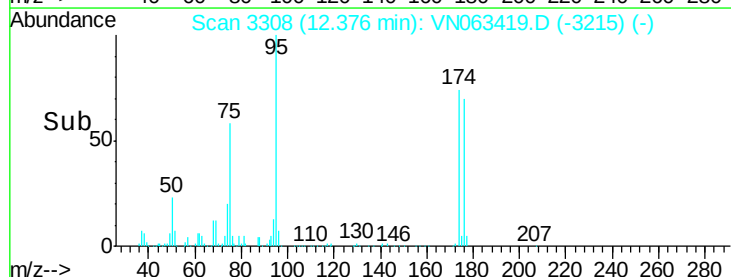
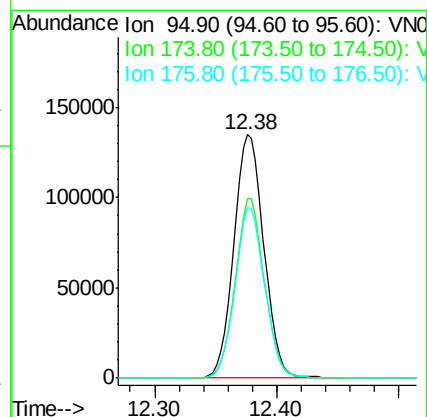
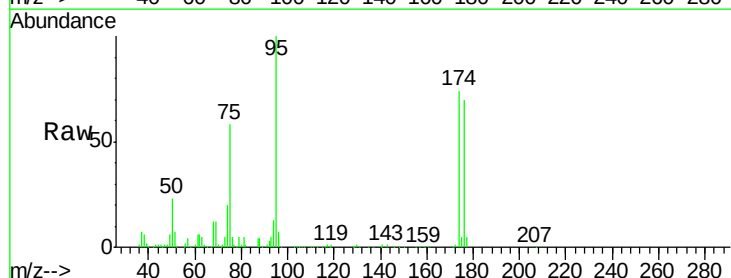
Tgt Ion: 95 Resp: 231545

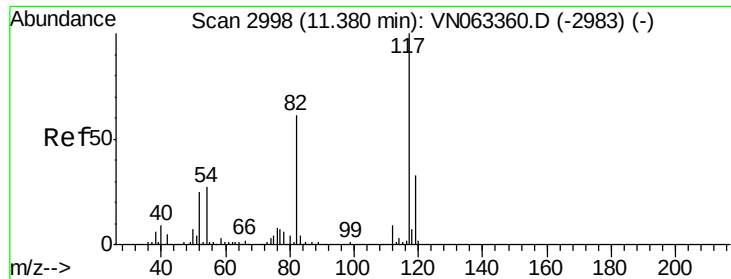
Ion Ratio Lower Upper

95 100

174 71.6 0.0 140.8

176 68.9 0.0 137.6

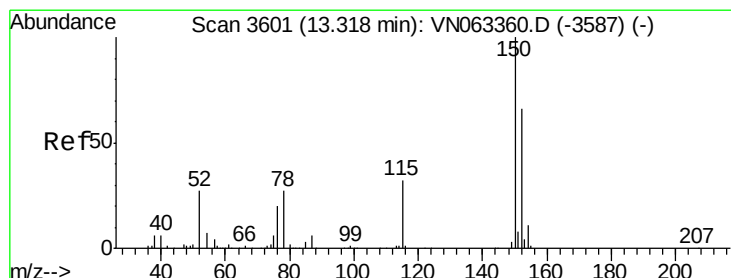
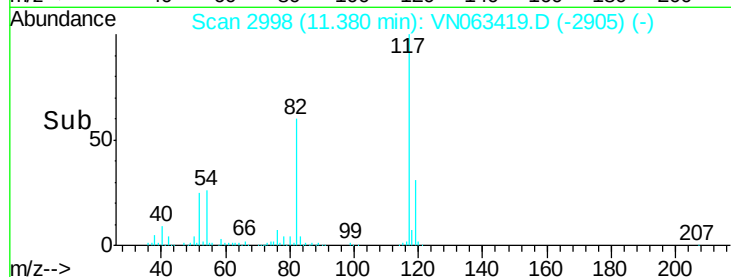
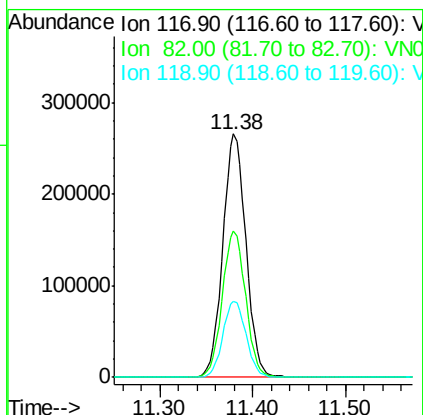
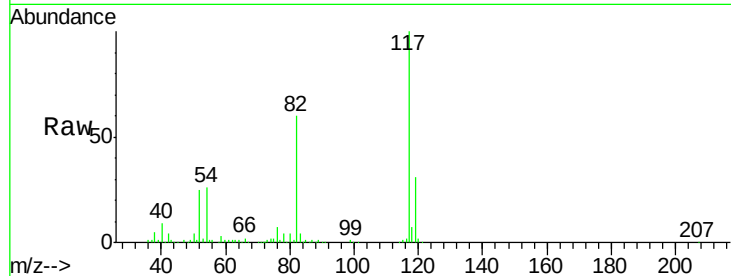




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. -0.00 min  
Lab File: VN063419.D  
Acq: 17 Sep 2020 15:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB131674ZHE#02

Tot Ion:117 Resp: 458913  
Ion Ratio Lower Upper  
117 100  
82 59.9 49.2 73.8  
119 31.3 26.2 39.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3601  
Delta R.T. -0.00 min  
Lab File: VN063419.D  
Acq: 17 Sep 2020 15:14

Tgt Ion:152 Resp: 194381  
Ion Ratio Lower Upper  
152 100  
115 64.1 32.2 96.6  
150 156.9 0.0 343.4

