

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061820\  
 Data File : VN061941.D  
 Acq On : 19 Jun 2020 8:54  
 Operator : JC/MD  
 Sample : L2817-10  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 57 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SU-04-061720

Quant Time: Jun 19 12:04:23 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061620W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 17 01:19:44 2020  
 Response via : Initial Calibration

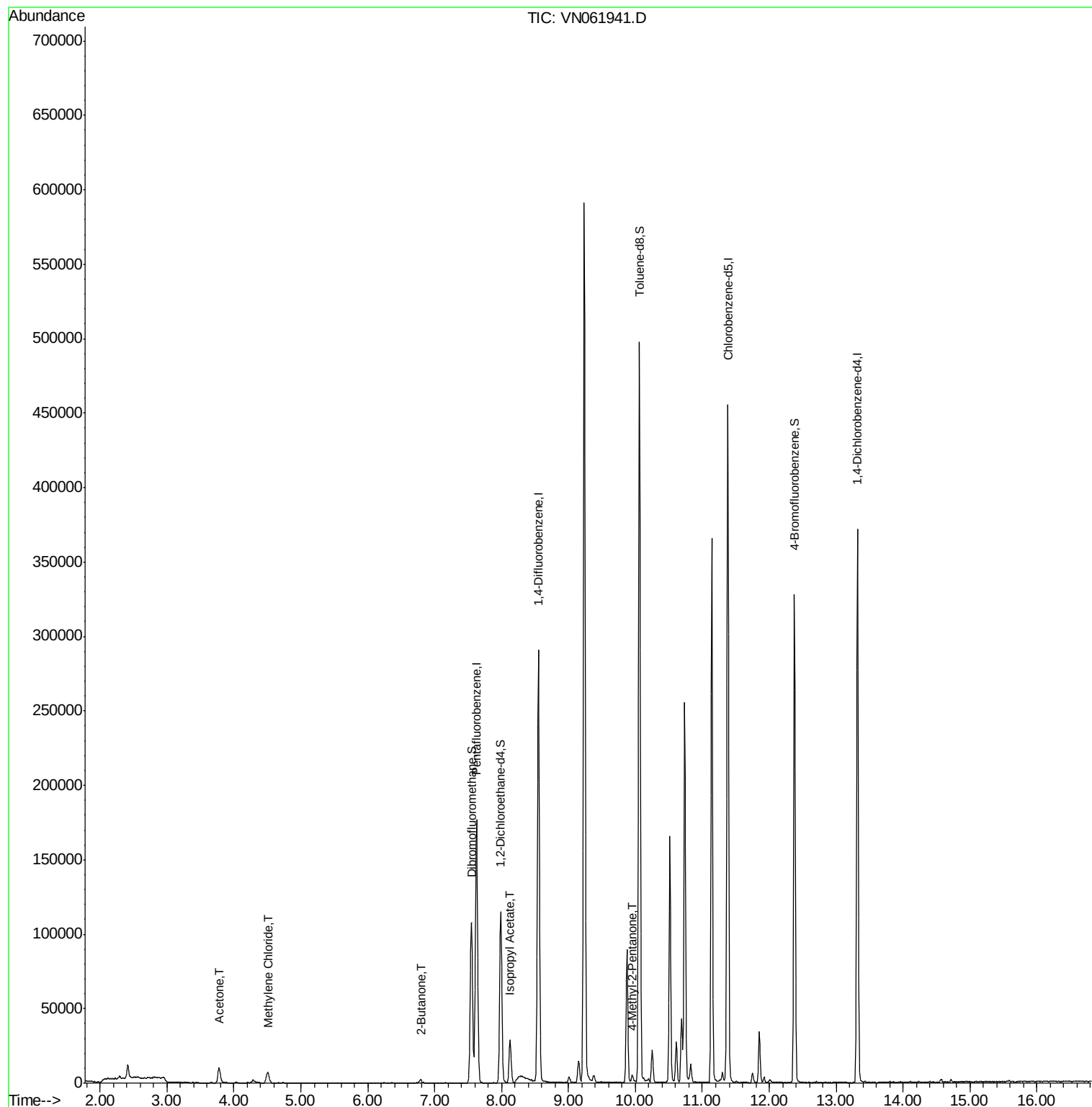
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 143052   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 269130   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 270971   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 101941   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 97939    | 51.05  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.10% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 83959    | 48.76  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.52%  |          |
| 50) Toluene-d8              | 10.06 | 98   | 344830   | 50.94  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.88% |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 114668   | 49.39  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.78%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.78  | 43   | 17121    | 30.212 | ug/l    | 99       |
| 20) Methylene Chloride      | 4.51  | 84   | 6160     | 3.336  | ug/l    | 93       |
| 25) 2-Butanone              | 6.79  | 43   | 3499     | 4.232  | ug/l    | 100      |
| 43) Isopropyl Acetate       | 8.13  | 43   | 32212    | 9.971  | ug/l #  | 90       |
| 51) 4-Methyl-2-Pentanone    | 9.95  | 43   | 3511     | 1.839  | ug/l    | 96       |

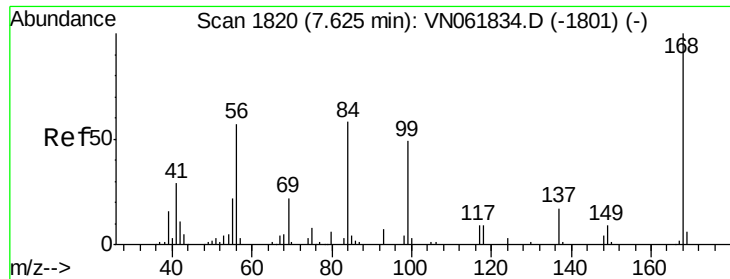
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061820\  
Data File : VN061941.D  
Acq On : 19 Jun 2020 8:54  
Operator : JC/MD  
Sample : L2817-10  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 57 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
SU-04-061720

Quant Time: Jun 19 12:04:23 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N061620W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 17 01:19:44 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061941.D

Acq: 19 Jun 2020 8:54

Instrument :

MSVOA\_N

ClientSampleId :

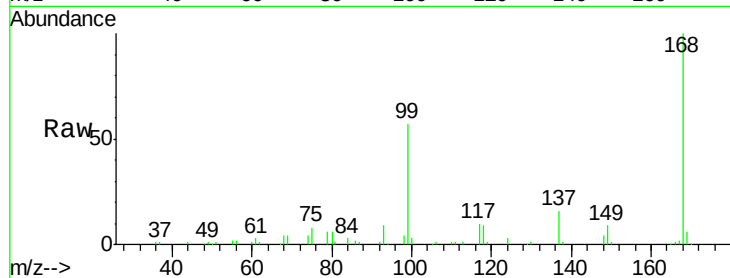
SU-04-061720

Tot Ion:168 Resp: 143052

Ion Ratio Lower Upper

168 100

99 56.6 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

60000

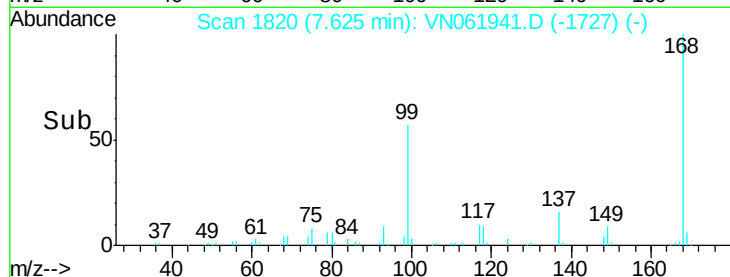
40000

20000

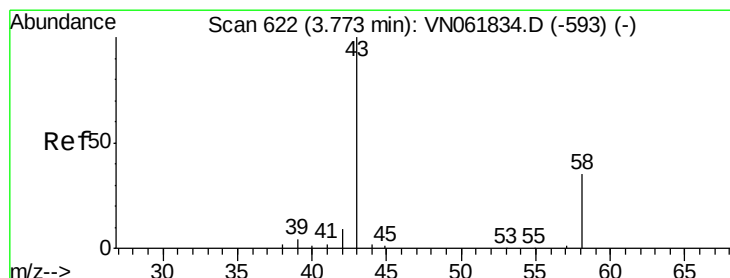
0

7.50 7.60 7.70

7.63



Time-->



#16

Acetone

Concen: 30.212 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN061941.D

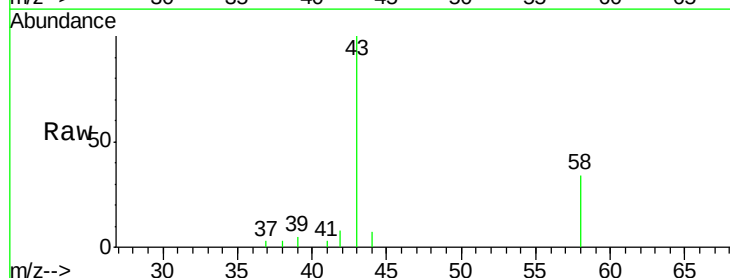
Acq: 19 Jun 2020 8:54

Tgt Ion: 43 Resp: 17121

Ion Ratio Lower Upper

43 100

58 34.1 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

6000

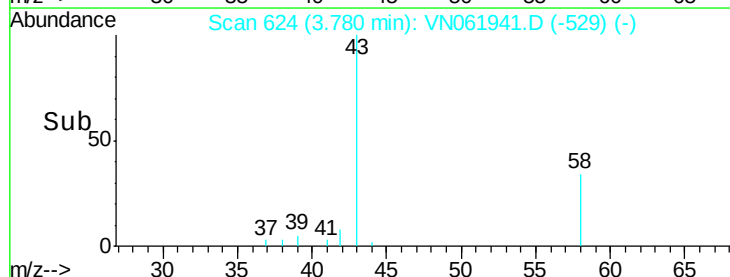
4000

2000

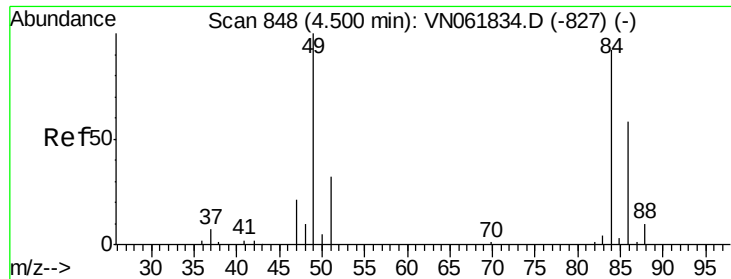
0

3.70 3.75 3.80 3.85

3.78



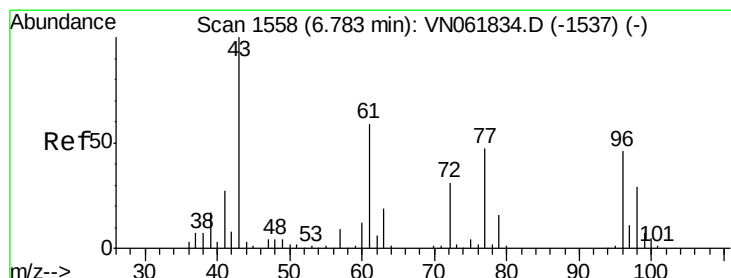
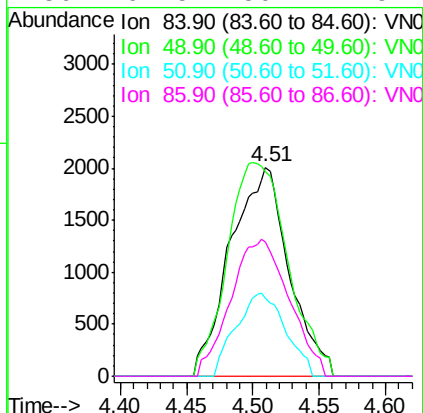
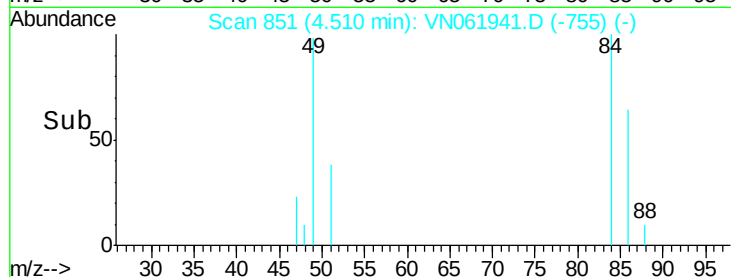
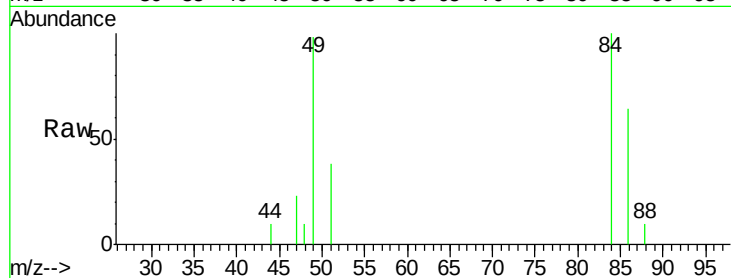
Time-->



#20  
Methvlene Chloride  
Concen: 3.336 ug/l  
RT: 4.51 min Scan# 851  
Delta R.T. 0.01 min  
Lab File: VN061941.D  
Acq: 19 Jun 2020 8:54

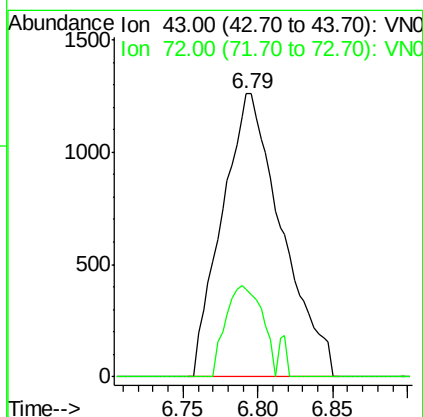
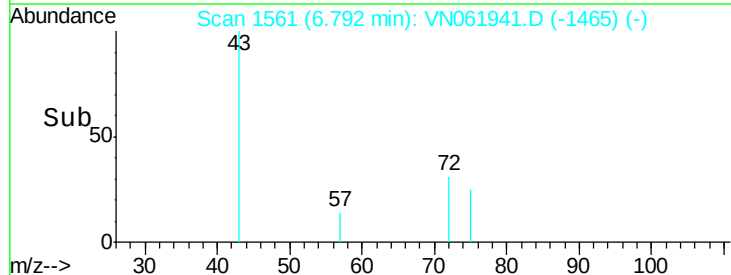
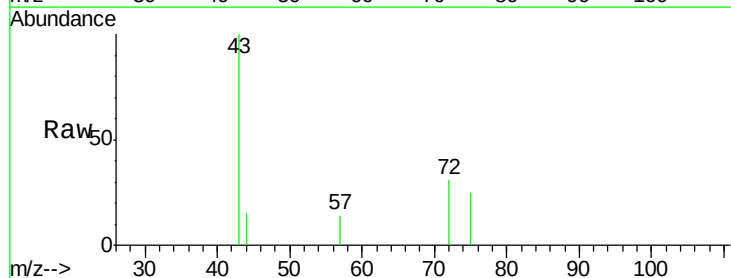
Instrument :  
MSVOA\_N  
ClientSampleId :  
SU-04-061720

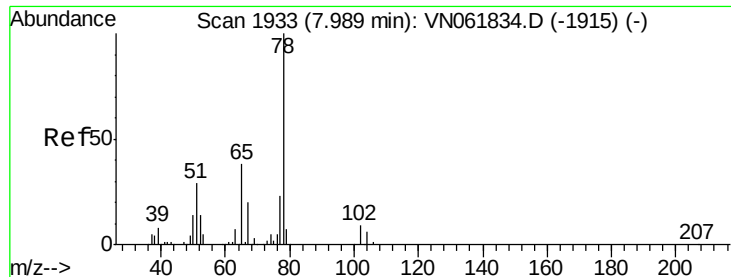
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 6160  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 98.4  | 87.0  | 130.4 |
| 51       | 37.6  | 27.8  | 41.6  |
| 86       | 64.5  | 50.2  | 75.2  |



#25  
2-Butanone  
Concen: 4.232 ug/l  
RT: 6.79 min Scan# 1561  
Delta R.T. 0.01 min  
Lab File: VN061941.D  
Acq: 19 Jun 2020 8:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 3499  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 30.8  | 24.6  | 37.0  |

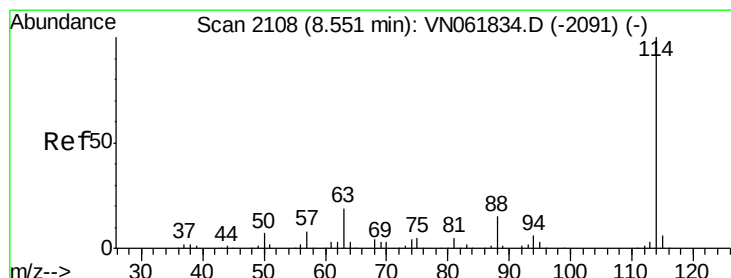
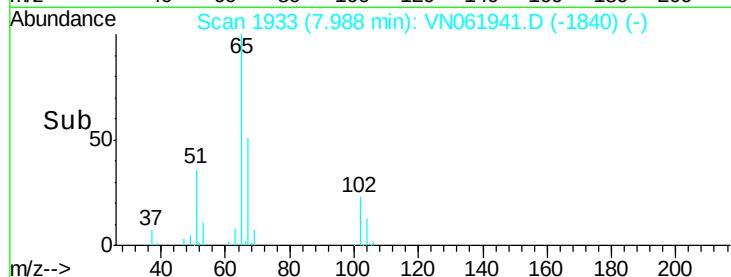
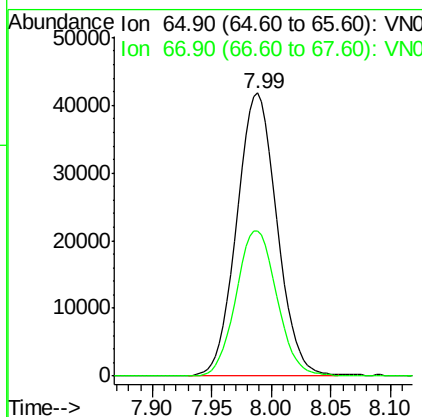
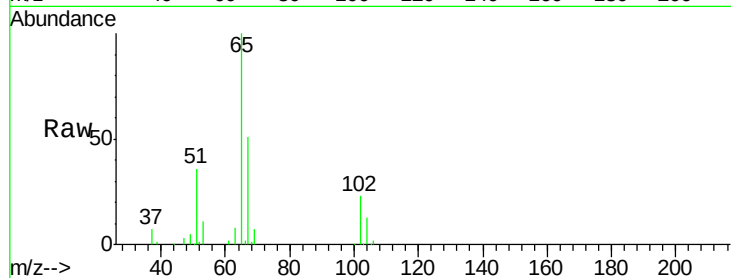




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.049 ug/l  
 RT: 7.99 min Scan# 1933  
 Delta R.T. -0.00 min  
 Lab File: VN061941.D  
 Acq: 19 Jun 2020 8:54

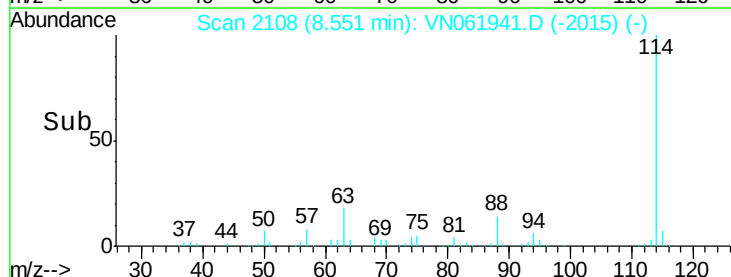
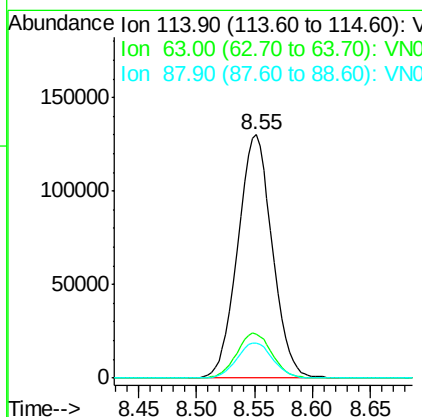
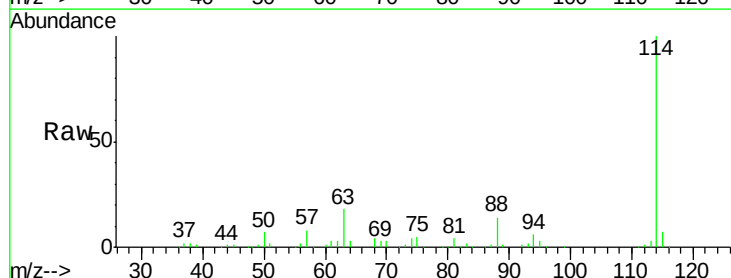
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SU-04-061720

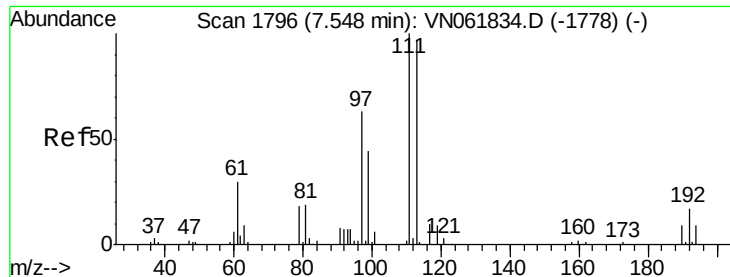
Tot Ion: 65 Resp: 97939  
 Ion Ratio Lower Upper  
 65 100  
 67 52.2 0.0 106.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2108  
 Delta R.T. -0.00 min  
 Lab File: VN061941.D  
 Acq: 19 Jun 2020 8:54

Tgt Ion: 114 Resp: 269130  
 Ion Ratio Lower Upper  
 114 100  
 63 18.2 0.0 37.6  
 88 14.3 0.0 31.0

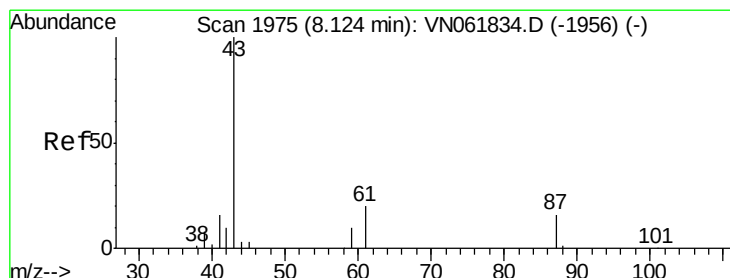
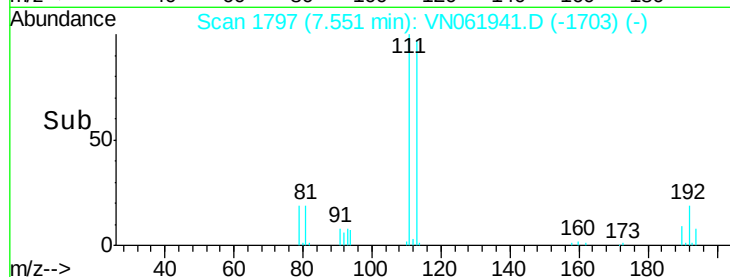
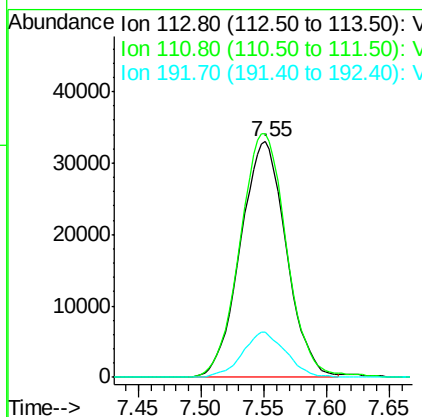
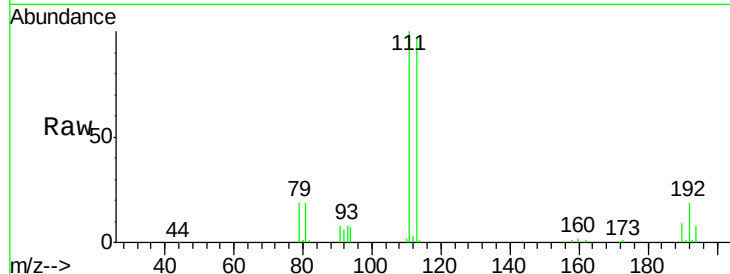




#35  
 Dibromofluoromethane  
 Concen: 48.764 ug/l  
 RT: 7.55 min Scan# 1797  
 Delta R.T. 0.00 min  
 Lab File: VN061941.D  
 Acq: 19 Jun 2020 8:54

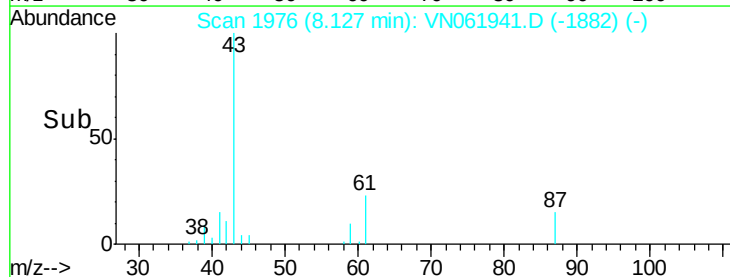
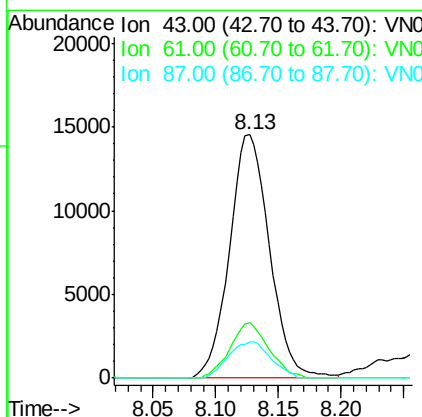
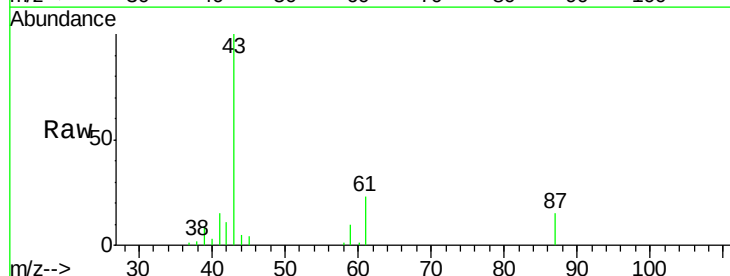
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SU-04-061720

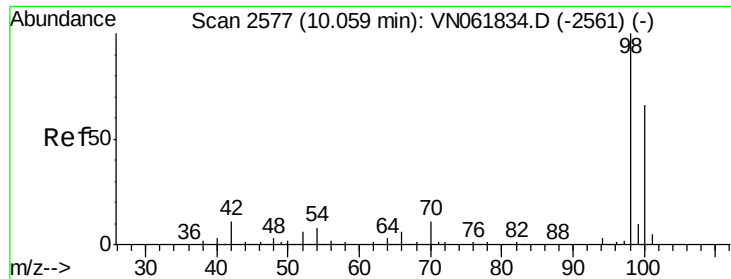
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 105.1 | 83.7  | 125.5 |
| 192     | 18.1  | 13.9  | 20.9  |



#43  
 Isopropyl Acetate  
 Concen: 9.971 ug/l  
 RT: 8.13 min Scan# 1976  
 Delta R.T. 0.00 min  
 Lab File: VN061941.D  
 Acq: 19 Jun 2020 8:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 22.1  | 24.0  | 36.0# |
| 87      | 15.8  | 12.5  | 18.7  |





#50

Toluene-d8

Concen: 50.943 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061941.D

Acq: 19 Jun 2020 8:54

Instrument :

MSVOA\_N

ClientSampleId :

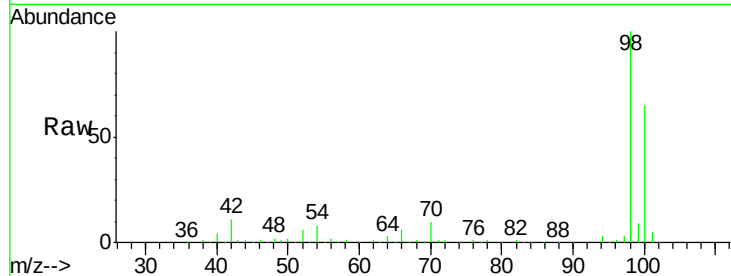
SU-04-061720

Tot Ion: 98 Resp: 344830

Ion Ratio Lower Upper

98 100

100 65.7 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN061834.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN061834.D (-2561) (-)

10.06

200000

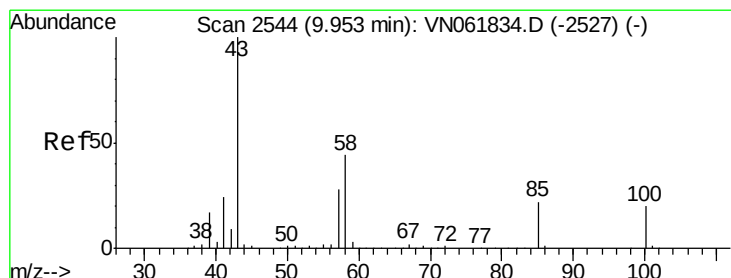
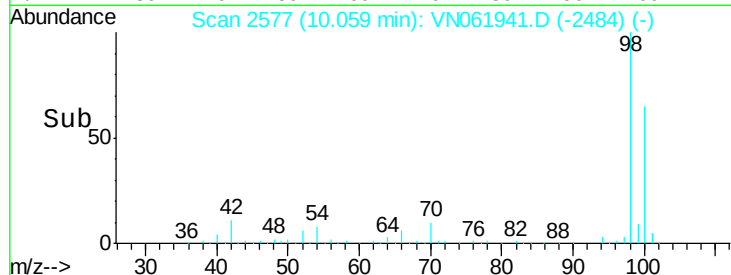
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.839 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061941.D

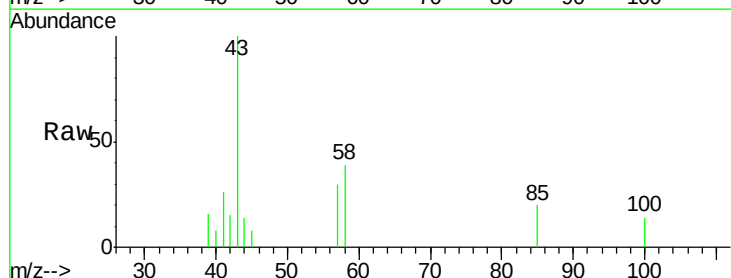
Acq: 19 Jun 2020 8:54

Tgt Ion: 43 Resp: 3511

Ion Ratio Lower Upper

43 100

58 40.6 34.6 52.0



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-2527) (-)

Ion 58.00 (57.70 to 58.70): VN061834.D (-2527) (-)

9.95

12000

10000

8000

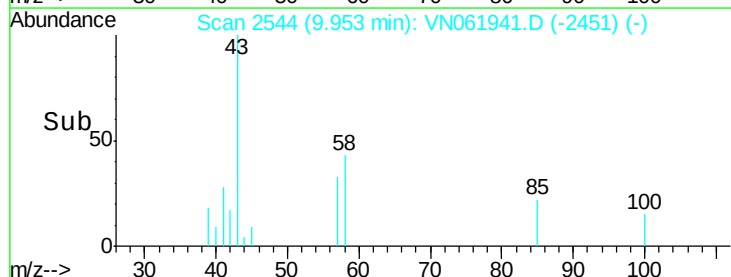
6000

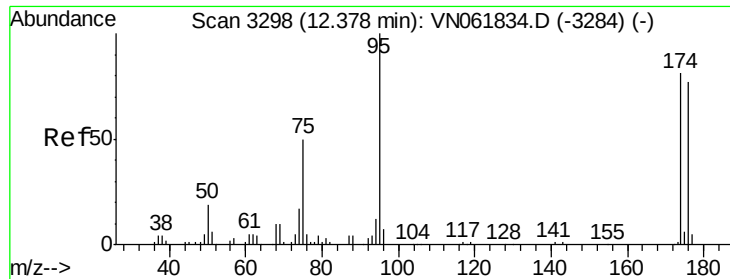
4000

2000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 49.387 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061941.D

Acq: 19 Jun 2020 8:54

Instrument :

MSVOA\_N

ClientSampled :

SU-04-061720

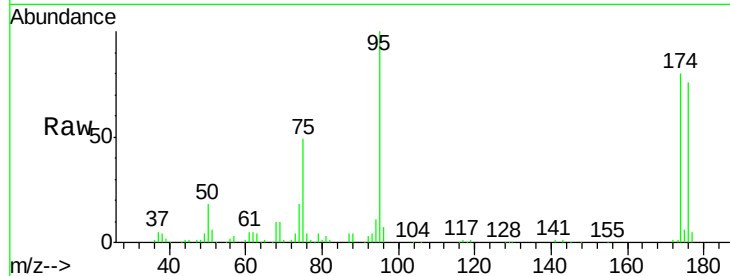
Tot Ion: 95 Resp: 114668

Ion Ratio Lower Upper

95 100

174 79.2 0.0 158.6

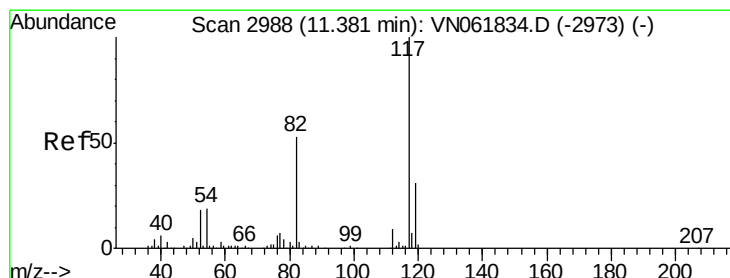
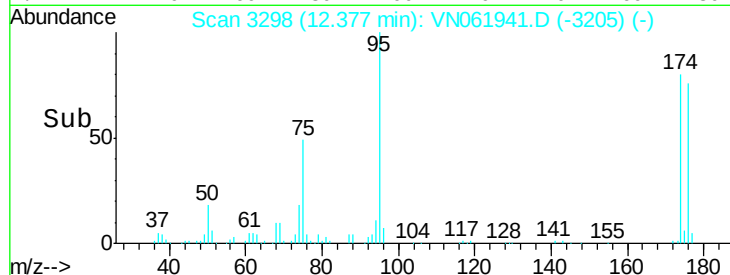
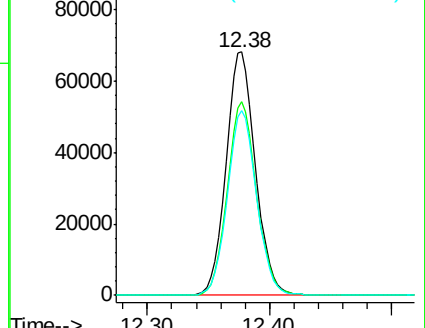
176 75.5 0.0 152.0



Abundance Ion 94.90 (94.60 to 95.60): VN061834.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN061834.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN061834.D (-3284) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN061941.D

Acq: 19 Jun 2020 8:54

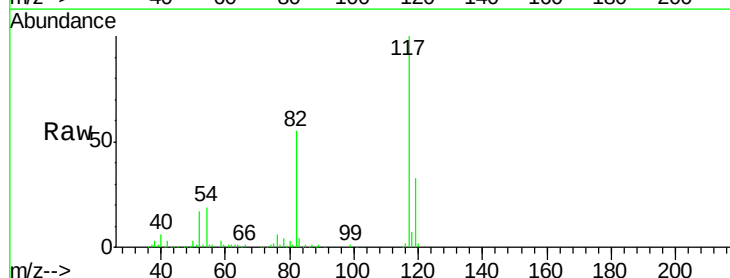
Tgt Ion: 117 Resp: 270971

Ion Ratio Lower Upper

117 100

82 55.0 42.6 64.0

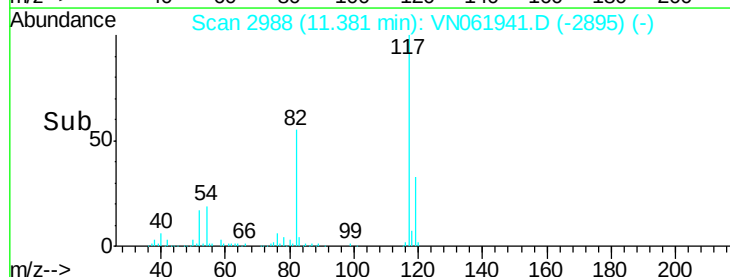
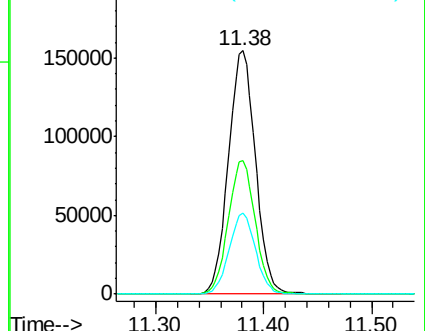
119 33.2 24.7 37.1



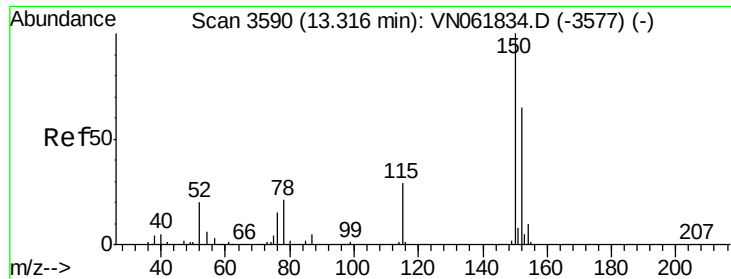
Abundance Ion 116.90 (116.60 to 117.60): VN061834.D (-2973) (-)

Ion 82.00 (81.70 to 82.70): VN061834.D (-2973) (-)

Ion 118.90 (118.60 to 119.60): VN061834.D (-2973) (-)







#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061941.D

Acq: 19 Jun 2020 8:54

Instrument :

MSVOA\_N

ClientSampleId :

SU-04-061720

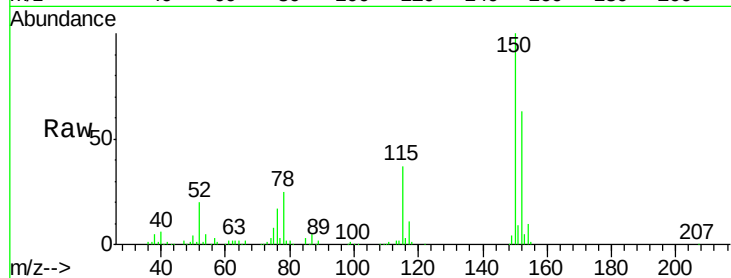
Tot Ion:152 Resp: 101941

Ion Ratio Lower Upper

152 100

115 58.7 29.1 87.3

150 157.2 0.0 347.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

