

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060120\  
 Data File : VN061594.D  
 Acq On : 1 Jun 2020 15:00  
 Operator : JC/MD  
 Sample : L2800-07  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 Z2-TB6-200527

Quant Time: Jun 02 03:54:32 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N052820W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 29 02:14:10 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.63  | 168  | 294174   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 514293   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 502291   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 224522   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 177028   | 50.51 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.02% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 145190   | 55.65 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 111.30% |          |
| 50) Toluene-d8              | 10.06 | 98   | 626710   | 51.84 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.68% |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 229277   | 51.98 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.96% |          |

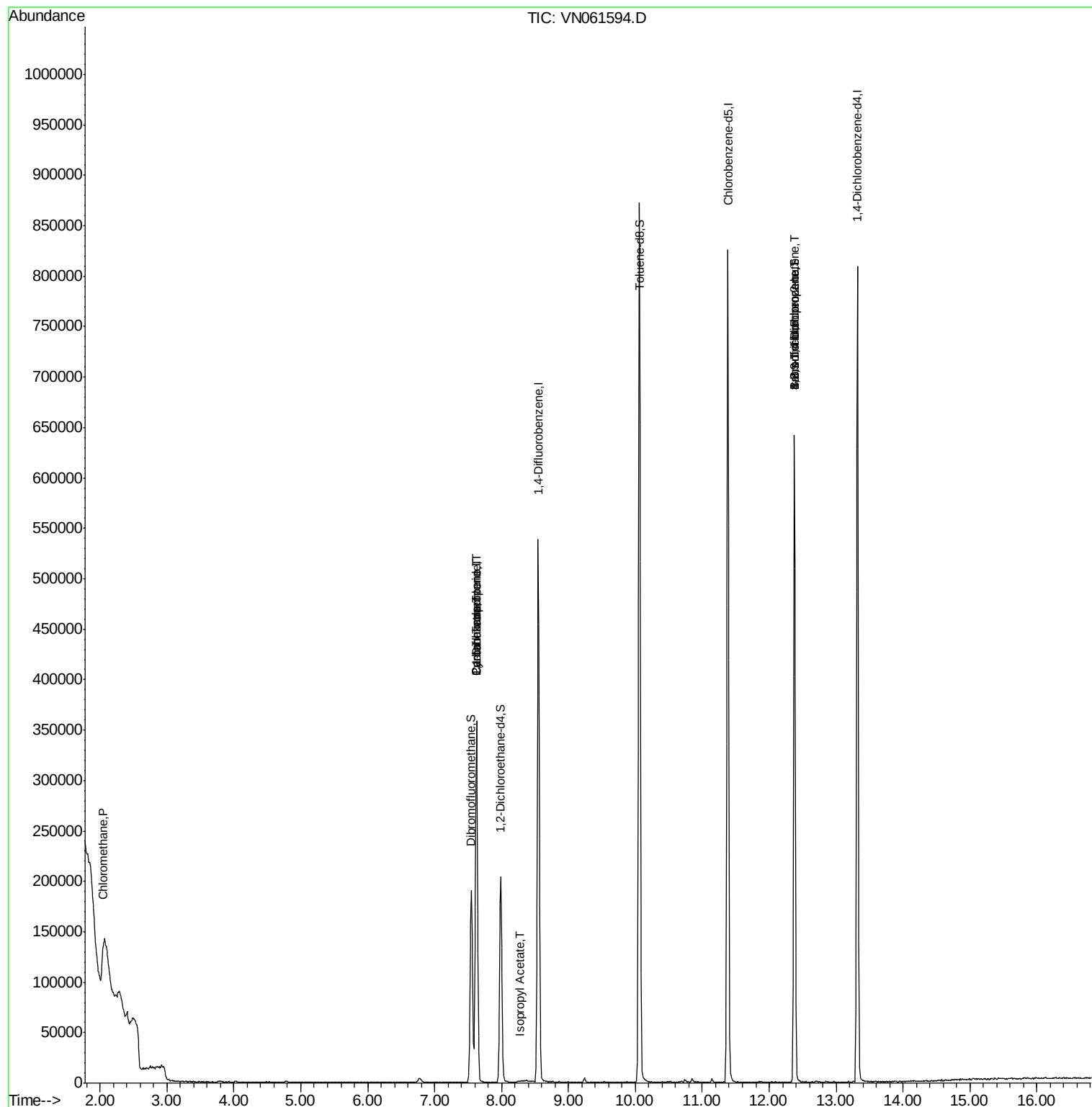
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 3) Chloromethane               | 2.04  | 50   | 811      | 0.226     | ug/l # | 41     |
| 16) Acetone                    | 3.78  | 43   | 1864     | Below Cal | #      | 41     |
| 20) Methylene Chloride         | 4.51  | 84   | 186      | Below Cal | #      | 36     |
| 31) Cyclohexane                | 7.62  | 56   | 5638     | 1.141     | ug/l # | 9      |
| 36) 1,1-Dichloropropene        | 7.63  | 75   | 21924    | 4.815     | ug/l # | 47     |
| 38) Carbon Tetrachloride       | 7.63  | 117  | 30060    | 6.845     | ug/l # | 16     |
| 43) Isopropyl Acetate          | 8.27  | 43   | 1465     | 0.222     | ug/l # | 51     |
| 71) Bromoform                  | 12.38 | 173  | 1691     | 0.564     | ug/l # | 1      |
| 76) 1,2,3-Trichloropropane     | 12.38 | 75   | 113902   | 27.899    | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.38 | 75   | 113902   | 71.345    | ug/l # | 15     |

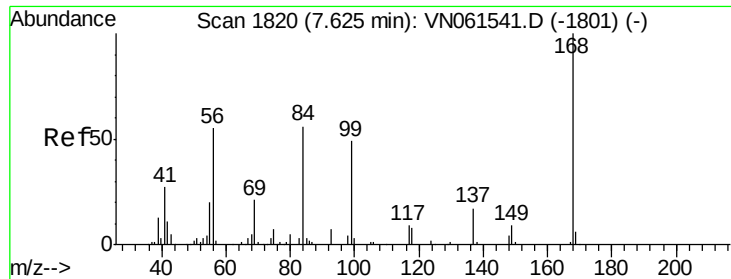
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN060120\  
Data File : VN061594.D  
Acq On : 1 Jun 2020 15:00  
Operator : JC/MD  
Sample : L2800-07  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
Z2-TB6-200527

Quant Time: Jun 02 03:54:32 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N052820W.M  
Quant Title : SW846 8260  
QLast Update : Fri May 29 02:14:10 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: VN061594.D

Acq: 1 Jun 2020 15:00

Instrument :

MSVOA\_N

ClientSampleId :

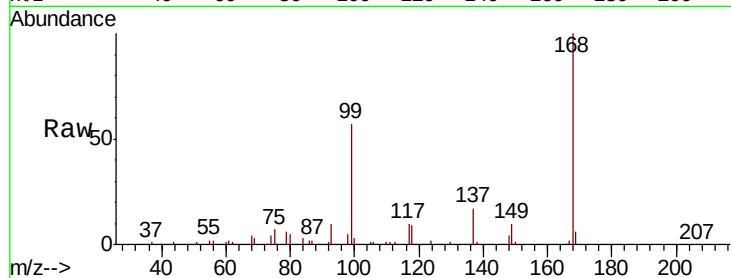
Z2-TB6-200527

Tot Ion:168 Resp: 294174

Ion Ratio Lower Upper

168 100

99 56.6 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

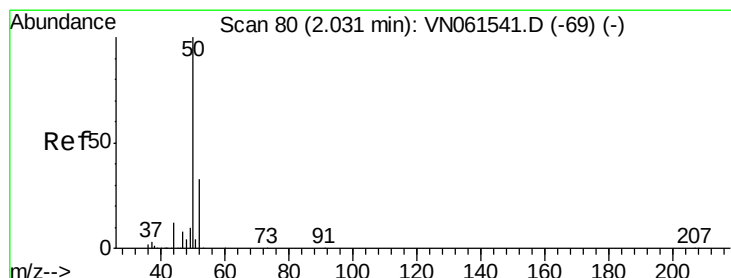
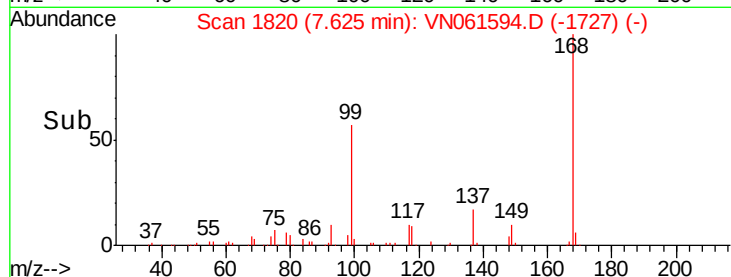
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.226 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.01 min

Lab File: VN061594.D

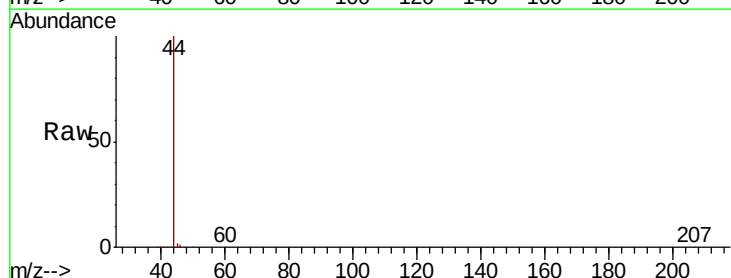
Acq: 1 Jun 2020 15:00

Tgt Ion: 50 Resp: 811

Ion Ratio Lower Upper

50 100

52 0.0 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

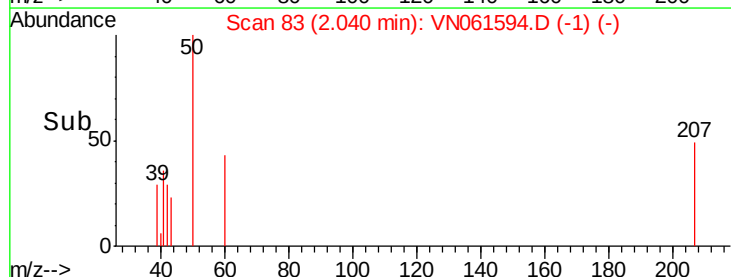
600

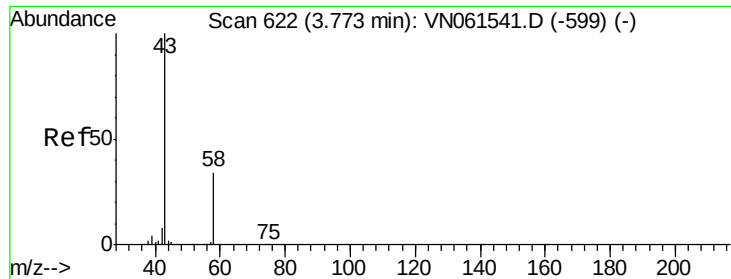
400

200

0

Time--> 2.00 2.02 2.04 2.06 2.08

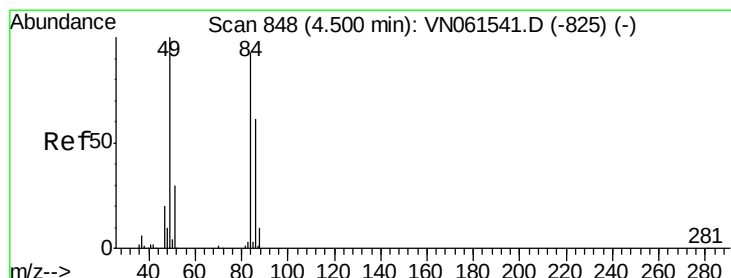
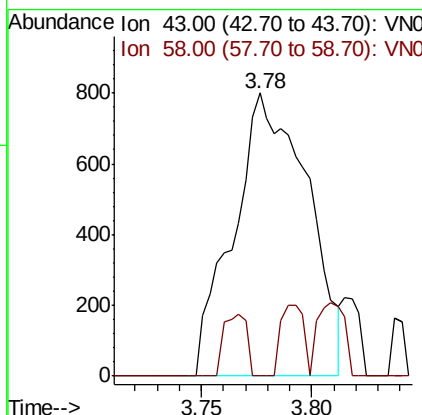
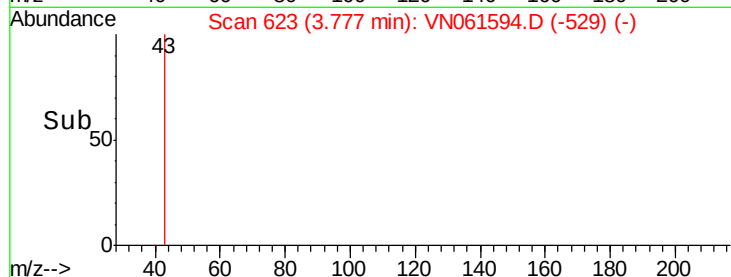
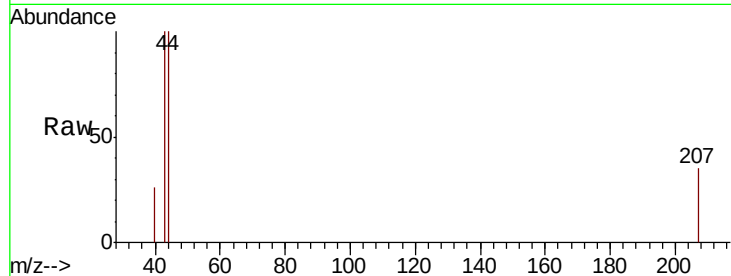




#16  
Acetone  
Concen: Below Cal  
RT: 3.78 min Scan# 623  
Delta R.T. 0.00 min  
Lab File: VN061594.D  
Acq: 1 Jun 2020 15:00

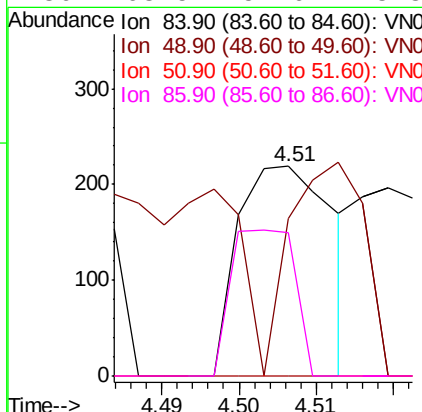
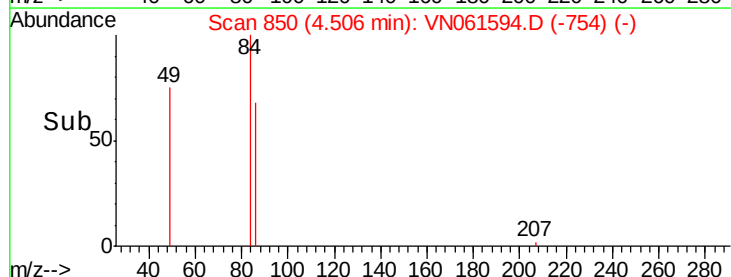
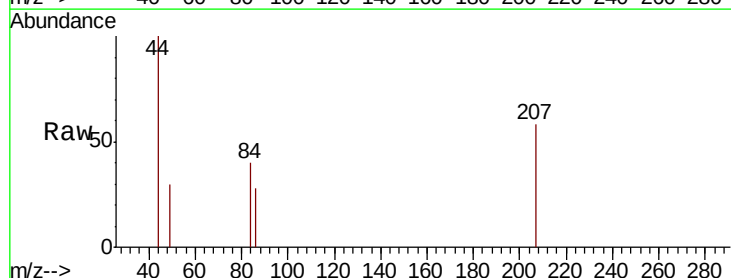
Instrument :  
MSVOA\_N  
ClientSampleId :  
Z2-TB6-200527

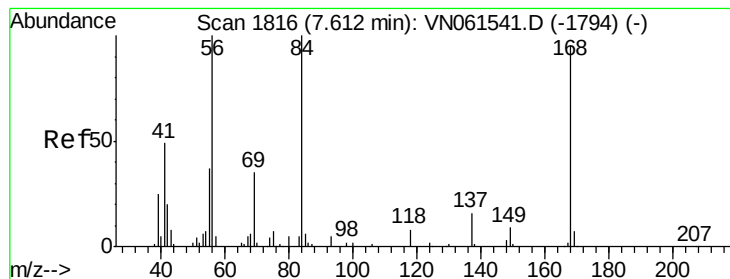
Tot Ion: 43 Resp: 1864  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.2 40.8#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.51 min Scan# 850  
Delta R.T. 0.01 min  
Lab File: VN061594.D  
Acq: 1 Jun 2020 15:00

Tgt Ion: 84 Resp: 186  
Ion Ratio Lower Upper  
84 100  
49 0.0 85.8 128.8#  
51 0.0 26.2 39.2#  
86 68.5 52.6 78.8





#31

Cyclohexane

Concen: 1.141 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN061594.D

Acq: 1 Jun 2020 15:00

Instrument :

MSVOA\_N

ClientSampleId :

Z2-TB6-200527

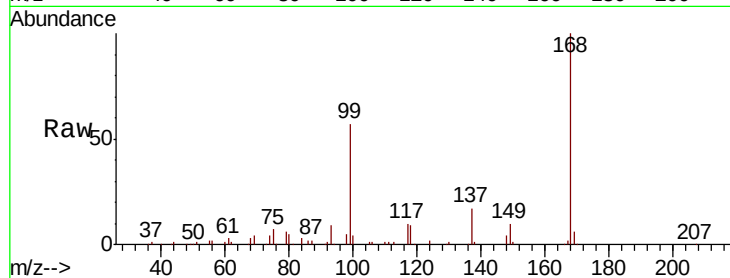
Tot Ion: 56 Resp: 5638

Ion Ratio Lower Upper

56 100

69 176.2 27.8 41.8#

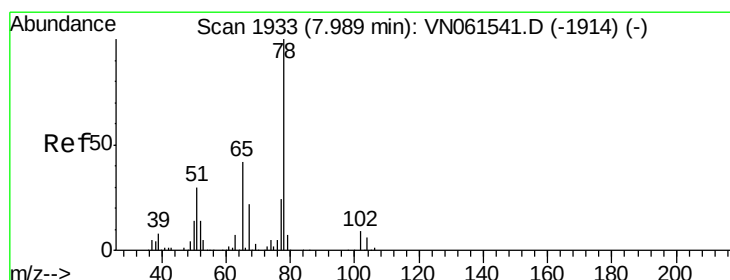
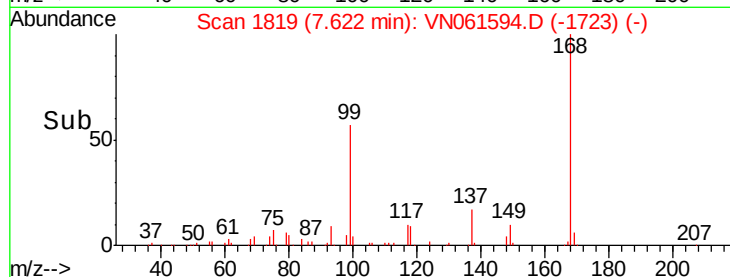
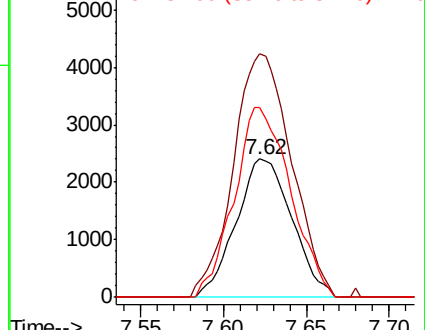
84 137.4 79.9 119.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 50.509 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN061594.D

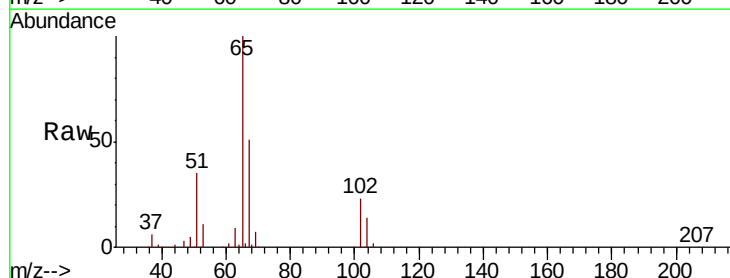
Acq: 1 Jun 2020 15:00

Tgt Ion: 65 Resp: 177028

Ion Ratio Lower Upper

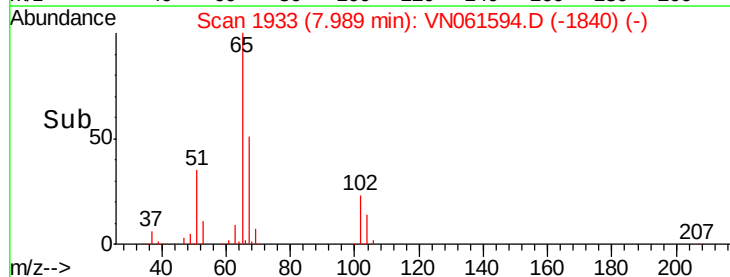
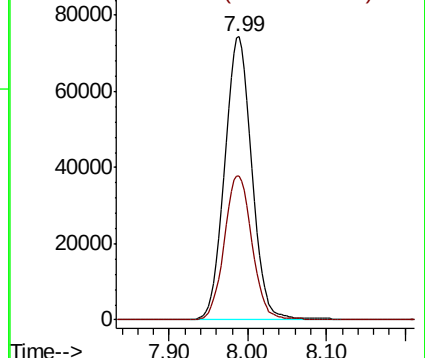
65 100

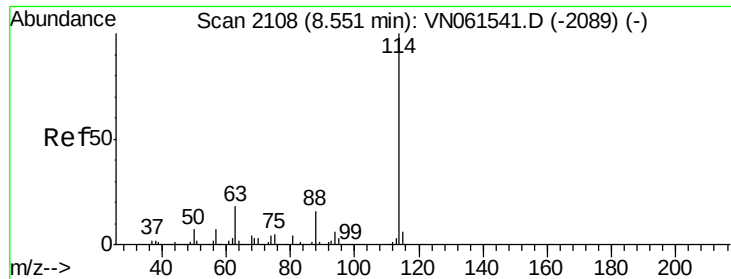
67 51.7 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

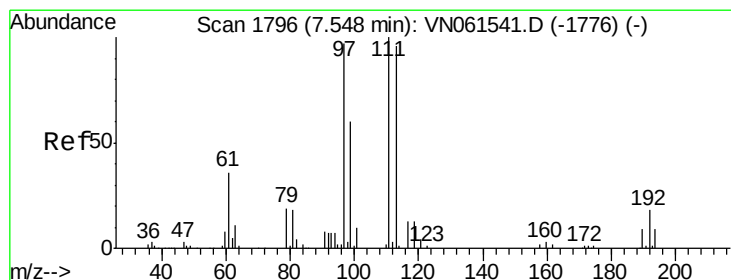
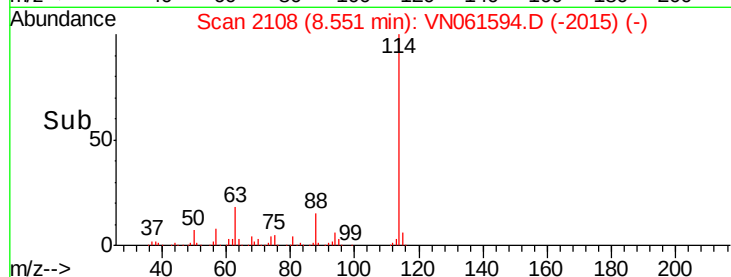
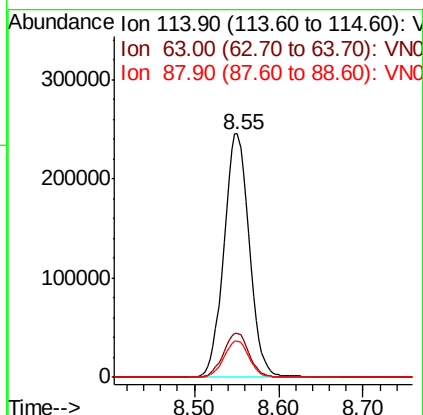
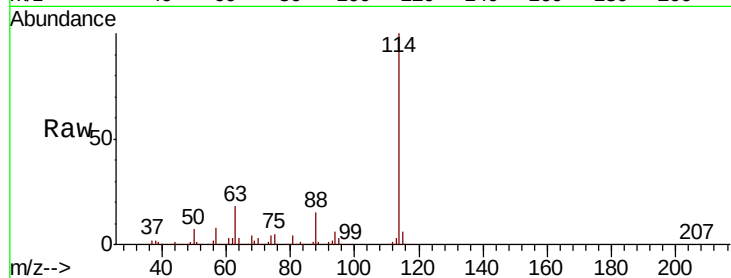




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2108  
 Delta R.T. 0.00 min  
 Lab File: VN061594.D  
 Acq: 1 Jun 2020 15:00

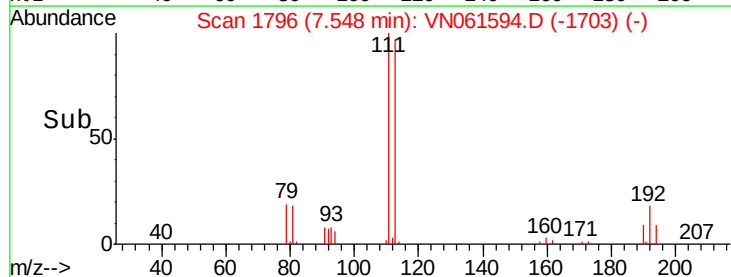
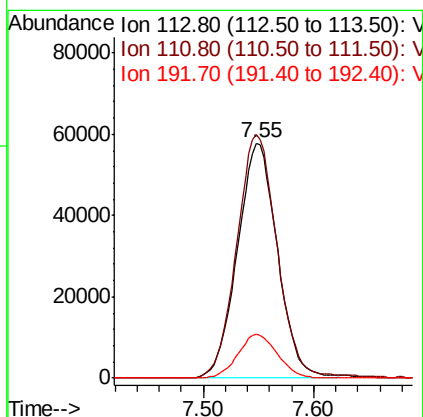
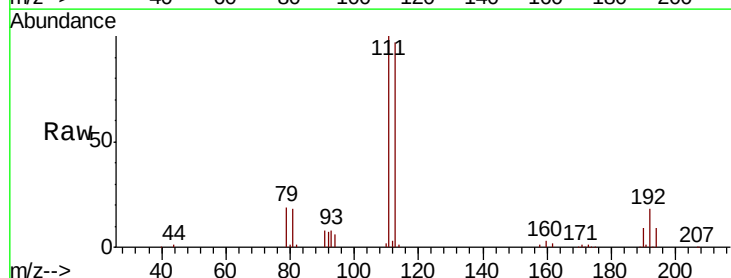
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 Z2-TB6-200527

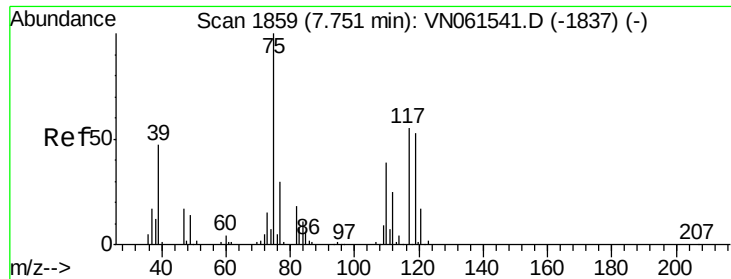
Tot Ion:114 Resp: 514293  
 Ion Ratio Lower Upper  
 114 100  
 63 18.2 0.0 35.8  
 88 14.8 0.0 31.0



#35  
 Dibromofluoromethane  
 Concen: 55.652 ug/l  
 RT: 7.55 min Scan# 1796  
 Delta R.T. 0.00 min  
 Lab File: VN061594.D  
 Acq: 1 Jun 2020 15:00

Tgt Ion:113 Resp: 145190  
 Ion Ratio Lower Upper  
 113 100  
 111 105.2 83.4 125.0  
 192 18.4 15.4 23.2

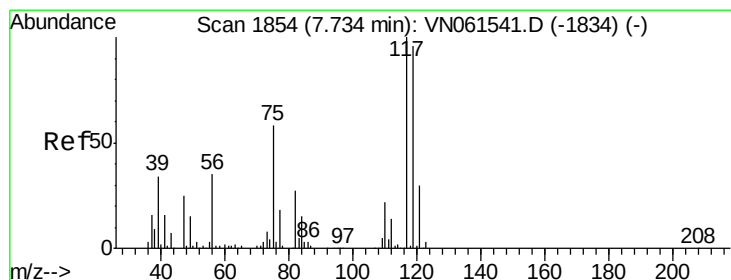
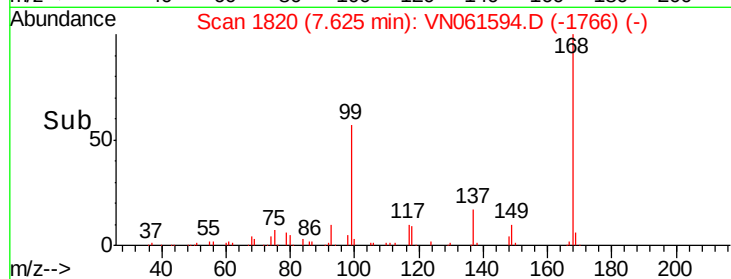
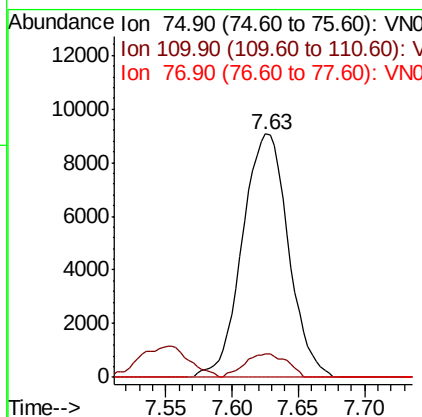
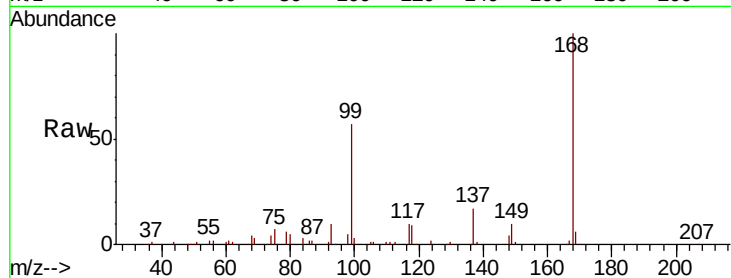




#36  
 1,1-Dichloropropene  
 Concen: 4.815 ug/l  
 RT: 7.63 min Scan# 1820  
 Delta R.T. -0.13 min  
 Lab File: VN061594.D  
 Acq: 1 Jun 2020 15:00

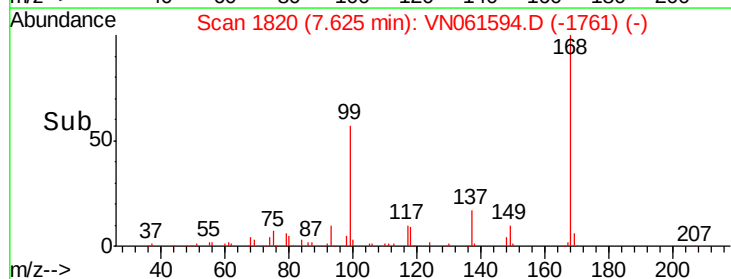
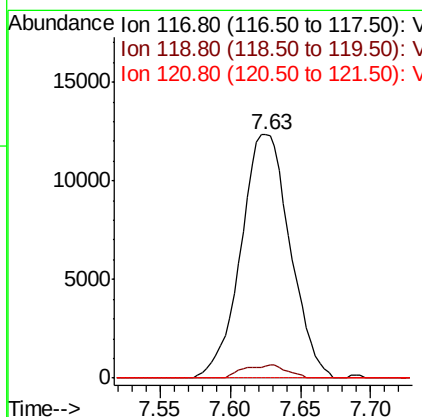
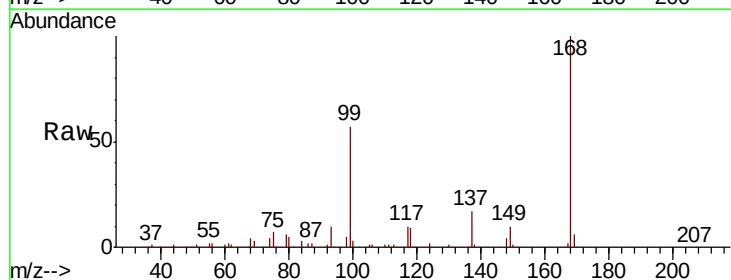
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 Z2-TB6-200527

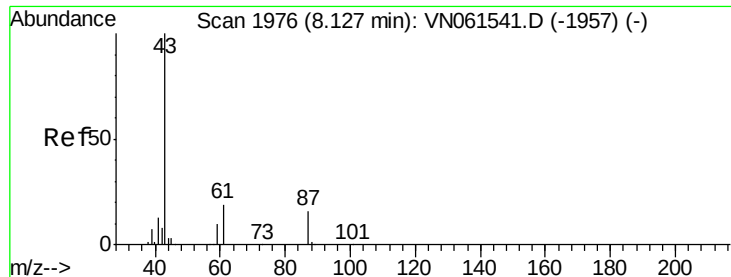
| Tot Ion   | 75    | Resp  | 21924 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 8.8   | 19.5  | 58.5# |
| 77        | 0.0   | 24.7  | 37.1# |



#38  
 Carbon Tetrachloride  
 Concen: 6.845 ug/l  
 RT: 7.63 min Scan# 1820  
 Delta R.T. -0.11 min  
 Lab File: VN061594.D  
 Acq: 1 Jun 2020 15:00

| Tgt Ion   | 117   | Resp  | 30060  |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 4.7   | 76.5  | 114.7# |
| 121       | 0.0   | 24.1  | 36.1#  |

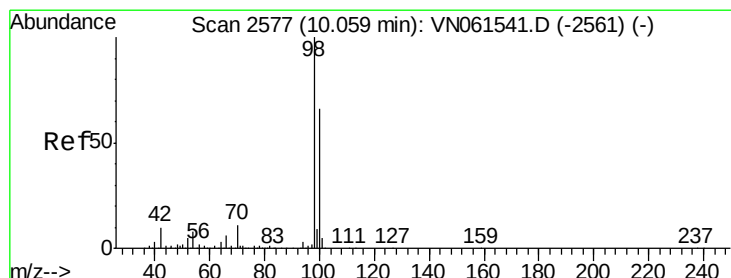
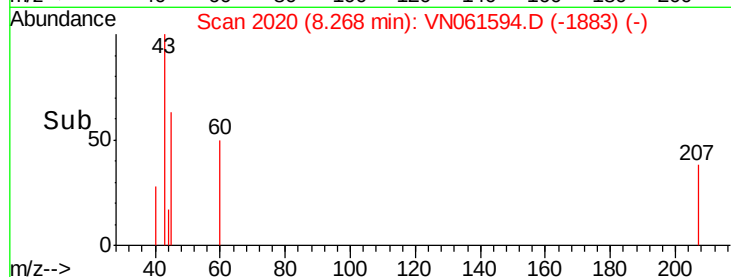
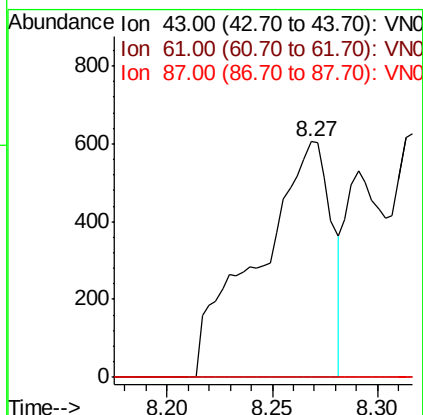
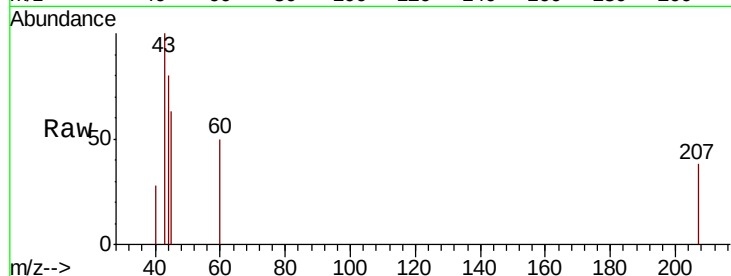




#43  
Isopropyl Acetate  
Concen: 0.222 ug/l  
RT: 8.27 min Scan# 2020  
Delta R.T. 0.14 min  
Lab File: VN061594.D  
Acq: 1 Jun 2020 15:00

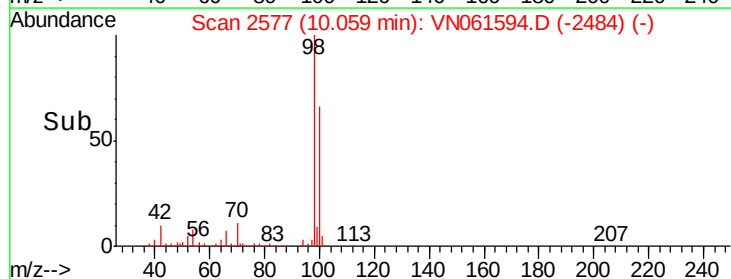
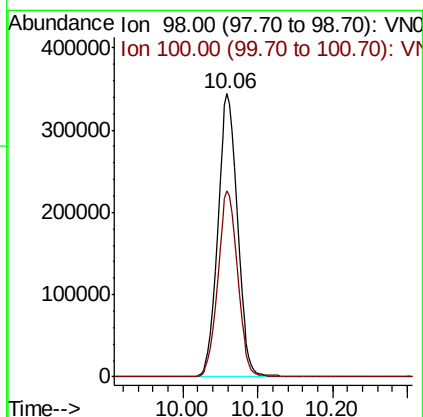
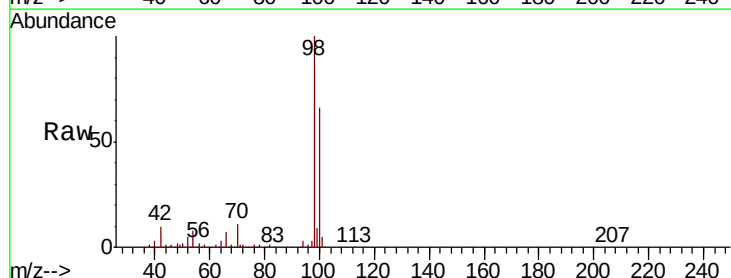
Instrument :  
MSVOA\_N  
ClientSampleId :  
Z2-TB6-200527

Tot Ion: 43 Resp: 1465  
Ion Ratio Lower Upper  
43 100  
61 0.0 23.6 35.4#  
87 0.0 13.0 19.6#

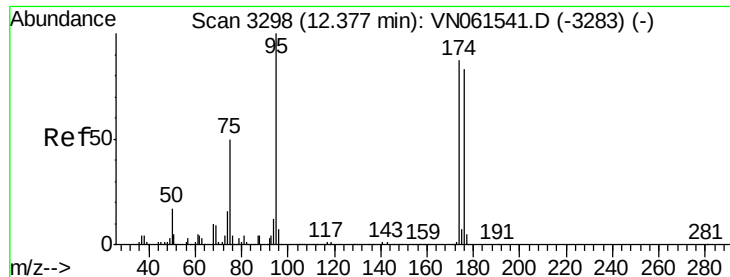


#50  
Toluene-d8  
Concen: 51.837 ug/l  
RT: 10.06 min Scan# 2577  
Delta R.T. 0.00 min  
Lab File: VN061594.D  
Acq: 1 Jun 2020 15:00

Tgt Ion: 98 Resp: 626710  
Ion Ratio Lower Upper  
98 100  
100 65.9 52.8 79.2



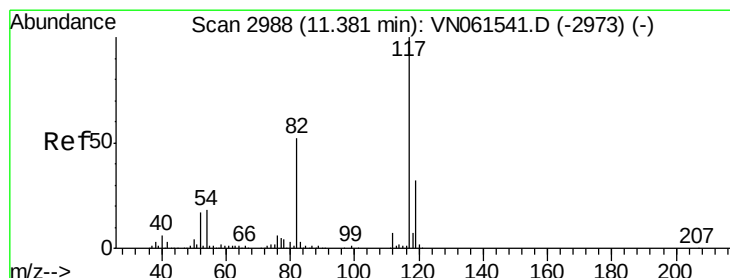
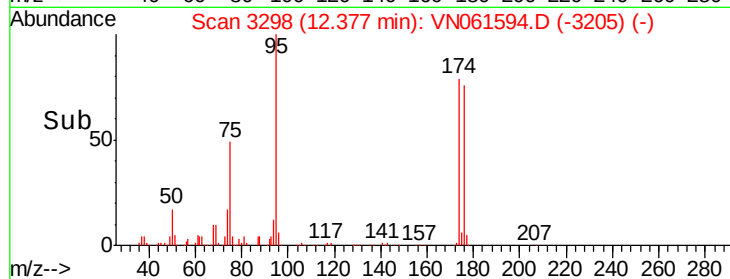
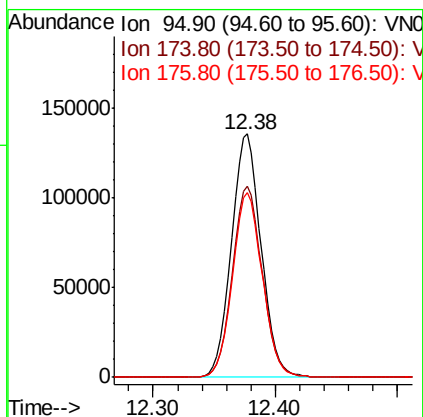
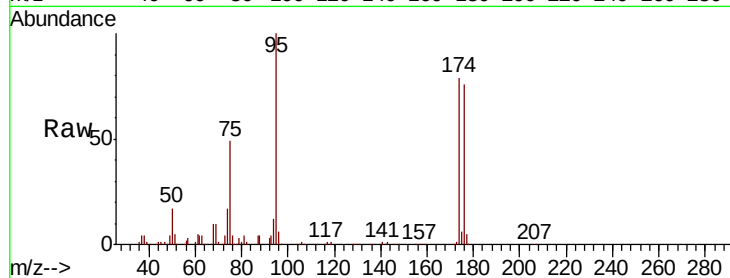




#62  
4-Bromofluorobenzene  
Concen: 51.980 ug/l  
RT: 12.38 min Scan# 3298  
Delta R.T. 0.00 min  
Lab File: VN061594.D  
Acq: 1 Jun 2020 15:00

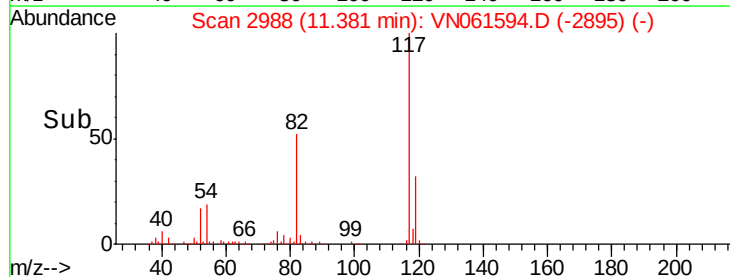
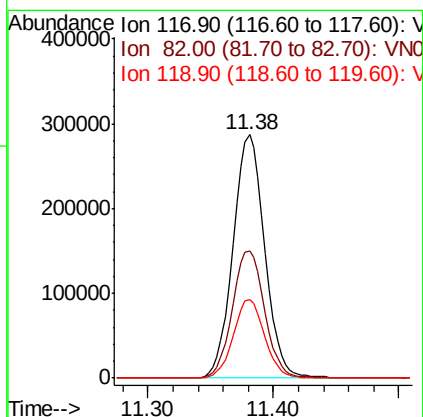
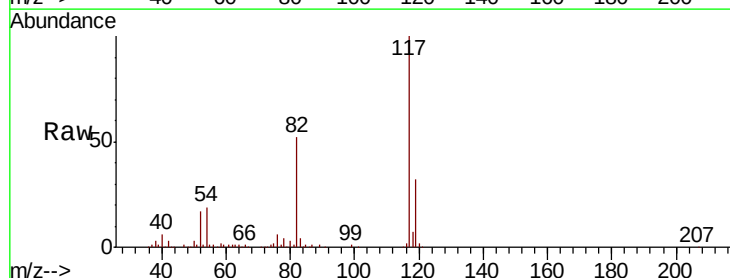
Instrument :  
MSVOA\_N  
ClientSampleId :  
Z2-TB6-200527

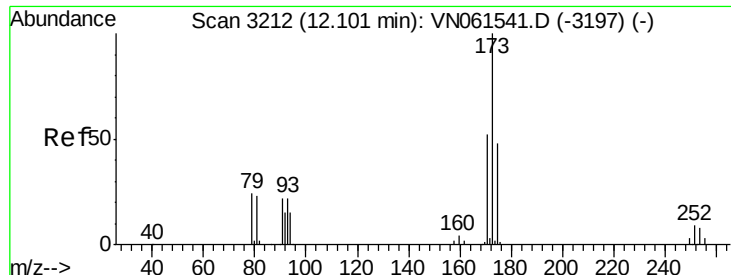
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 79.0  | 0.0   | 172.8 |
| 176     | 76.2  | 0.0   | 164.8 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2988  
Delta R.T. 0.00 min  
Lab File: VN061594.D  
Acq: 1 Jun 2020 15:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.1  | 41.5  | 62.3  |
| 119     | 32.4  | 25.6  | 38.4  |





#71

Bromoform

Concen: 0.564 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN061594.D

Acq: 1 Jun 2020 15:00

Instrument :

MSVOA\_N

ClientSampleId :

Z2-TB6-200527

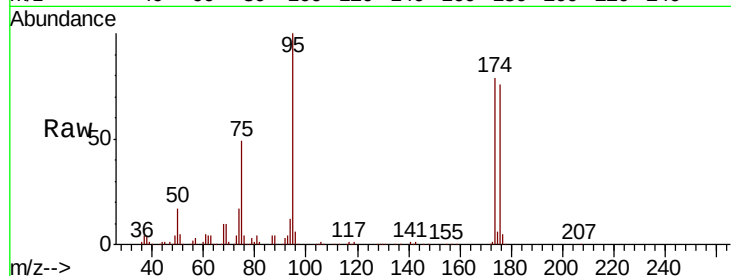
Tot Ion:173 Resp: 1691

Ion Ratio Lower Upper

173 100

175 683.4 24.4 73.2#

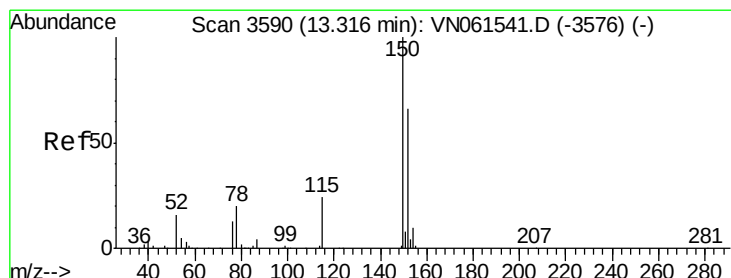
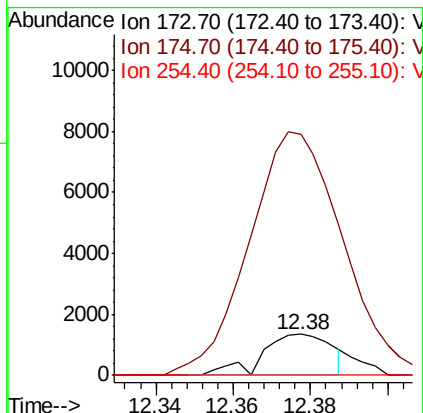
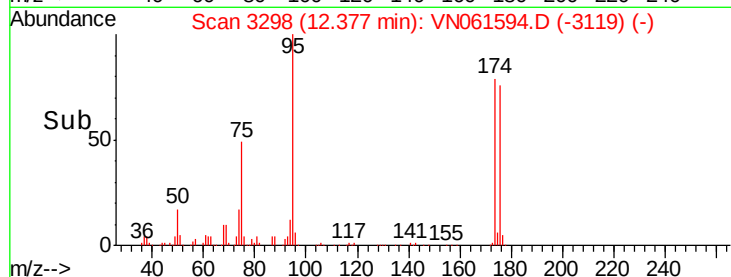
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061594.D

Acq: 1 Jun 2020 15:00

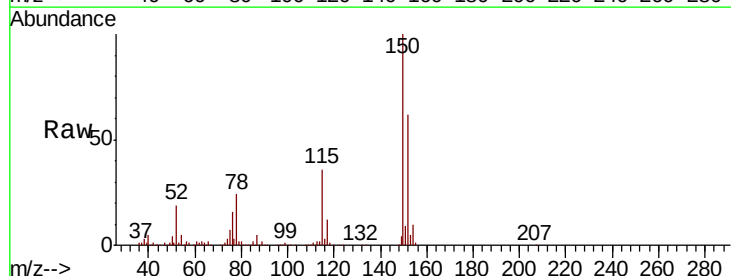
Tgt Ion:152 Resp: 224522

Ion Ratio Lower Upper

152 100

115 58.5 28.0 84.0

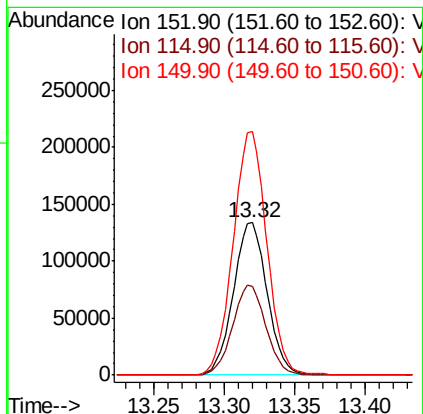
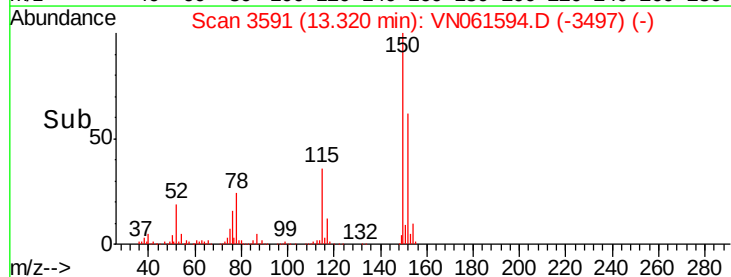
150 159.6 0.0 344.0

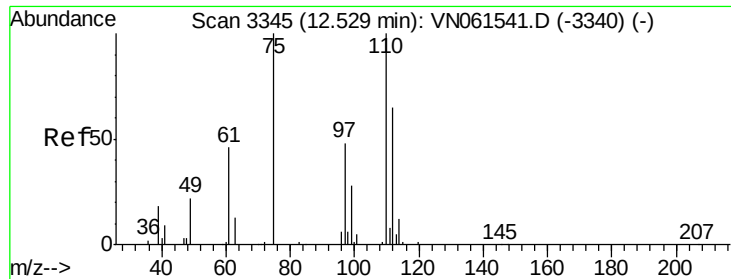


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

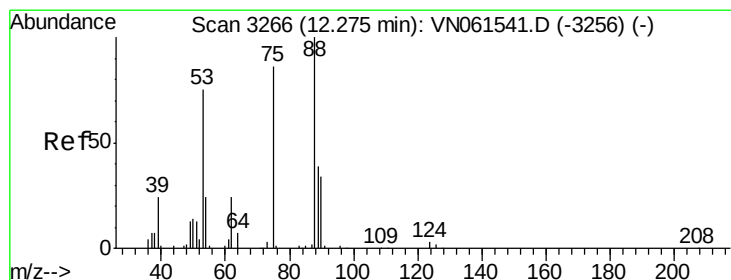
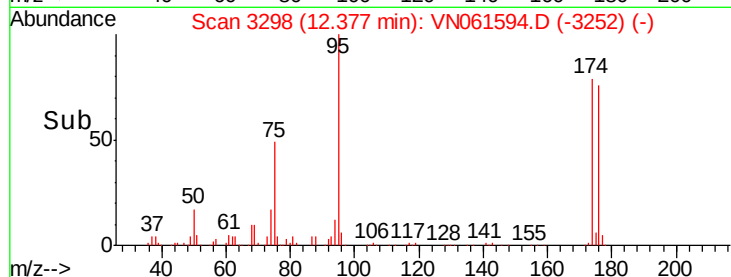
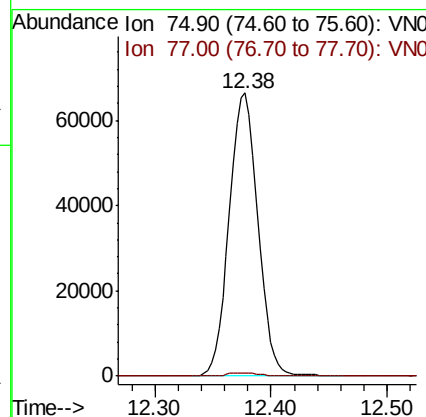
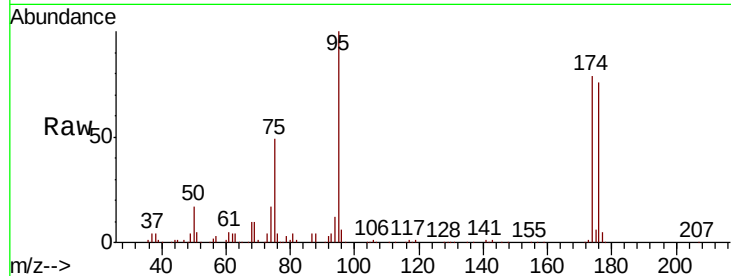




#76  
 1,2,3-Trichloropropane  
 Concen: 27.899 ug/l  
 RT: 12.38 min Scan# 3298  
 Delta R.T. -0.15 min  
 Lab File: VN061594.D  
 Acq: 1 Jun 2020 15:00

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 Z2-TB6-200527

Tot Ion: 75 Resp: 113902  
 Ion Ratio Lower Upper  
 75 100  
 77 0.6 0.0 0.0#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 71.345 ug/l  
 RT: 12.38 min Scan# 3298  
 Delta R.T. 0.10 min  
 Lab File: VN061594.D  
 Acq: 1 Jun 2020 15:00

Tgt Ion: 75 Resp: 113902  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 67.8 101.8#  
 89 0.0 37.1 55.7#

