

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071620\  
 Data File : VN062549.D  
 Acq On : 16 Jul 2020 15:46  
 Operator : JC/MD  
 Sample : IBLK  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

Quant Time: Jul 16 18:36:15 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Tue Jul 14 00:52:57 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 7.15  | 128  | 36898    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 8.55  | 114  | 192557   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.38 | 117  | 172530   | 30.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 27) 1,2-Dichloroethane-d4   | 7.99   | 65    | 93292    | 29.43    | ug/l | 0.00   |
| Spiked Amount               | 30.000 | Range | 50 - 169 | Recovery | =    | 98.10% |
| 60) 4-Bromofluorobenzene    | 12.38  | 95    | 74132    | 25.25    | ug/l | 0.00   |
| Spiked Amount               | 30.000 | Range | 56 - 143 | Recovery | =    | 84.17% |
| 63) Toluene-d8              | 10.06  | 98    | 242903   | 29.79    | ug/l | 0.00   |
| Spiked Amount               | 30.000 | Range | 66 - 137 | Recovery | =    | 99.30% |

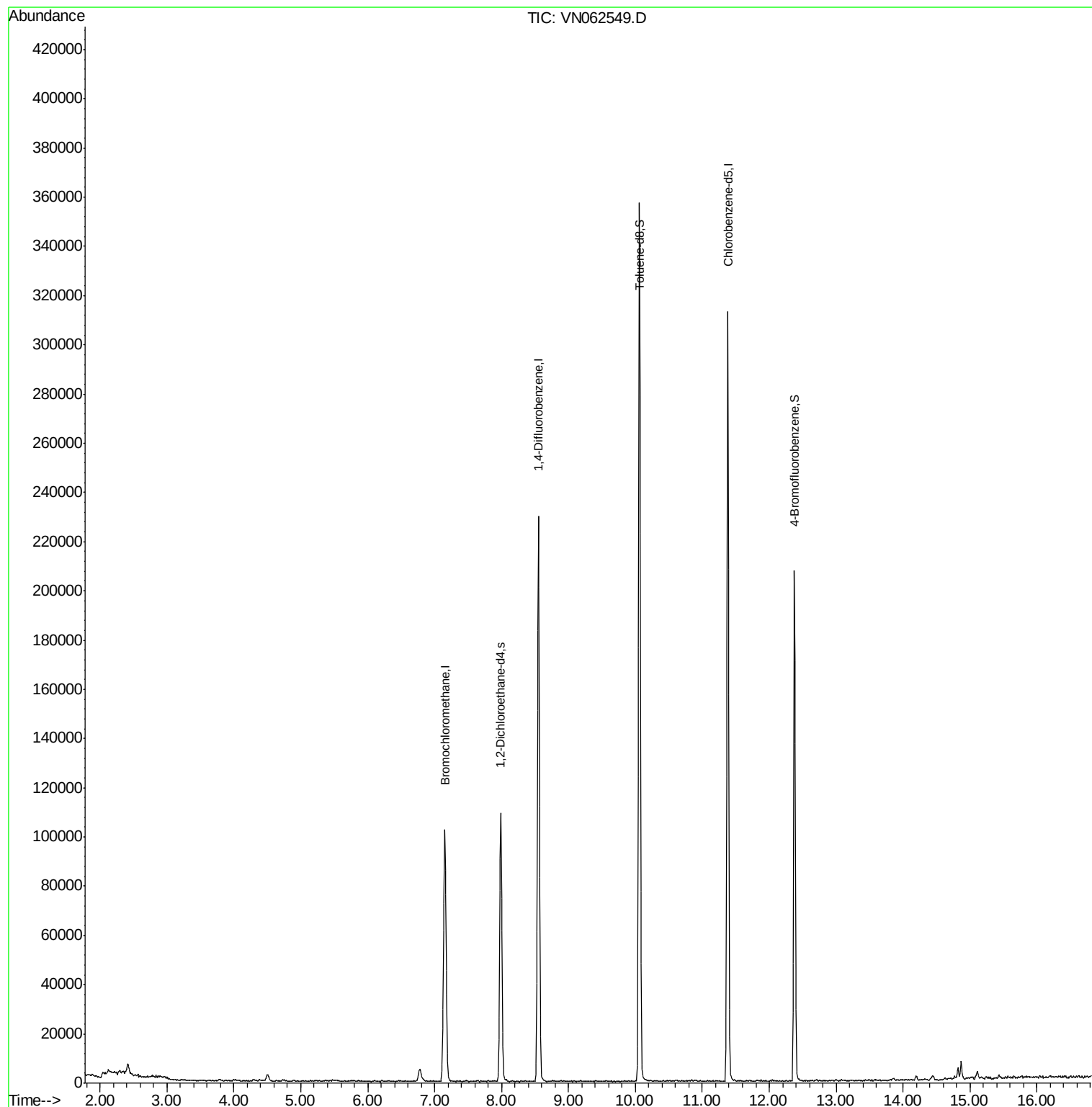
| Target Compounds | Ovalue |
|------------------|--------|
| -----            |        |

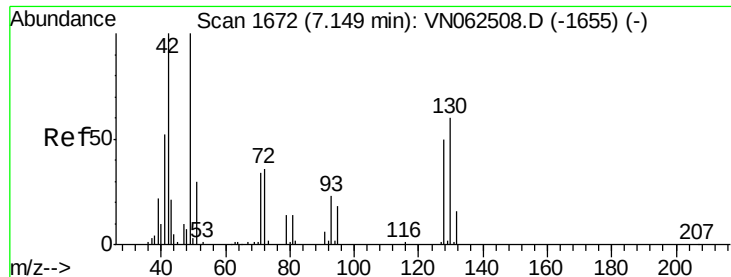
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Tue Jul 14 00:52:57 2020  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN062549.D

Acq: 16 Jul 2020 15:46

Instrument :

MSVOA\_N

ClientSampled :

IBLK

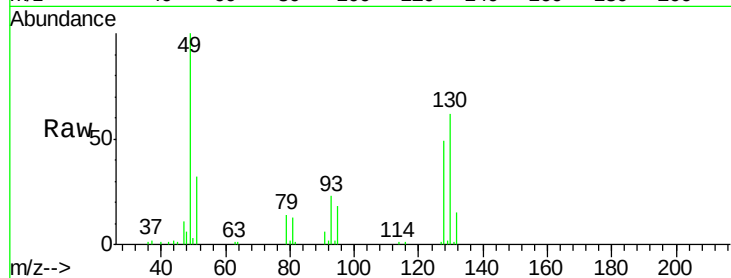
Tot Ion:128 Resp: 36898

Ion Ratio Lower Upper

128 100

49 208.7 0.0 525.0

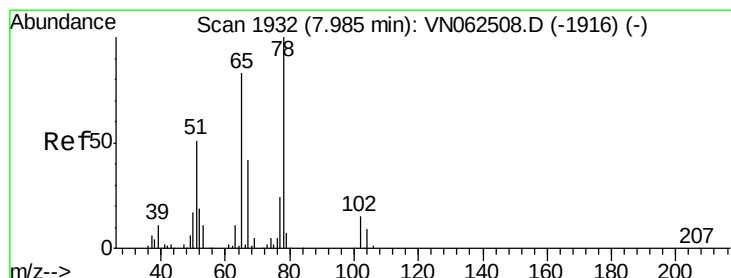
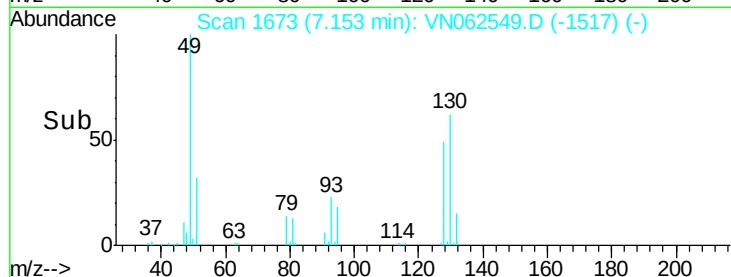
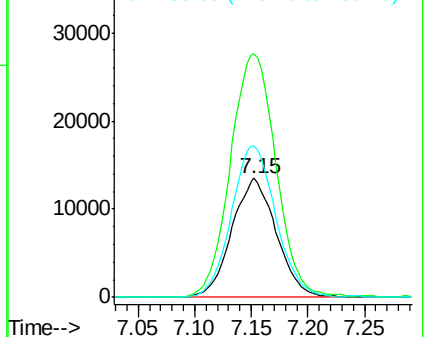
130 127.1 0.0 319.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#27

1,2-Dichloroethane-d4

Concen: 29.432 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062549.D

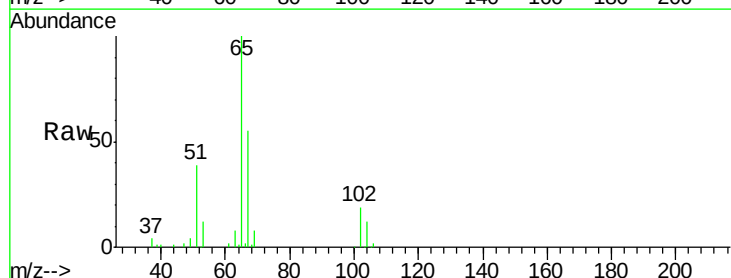
Acq: 16 Jul 2020 15:46

Tgt Ion: 65 Resp: 93292

Ion Ratio Lower Upper

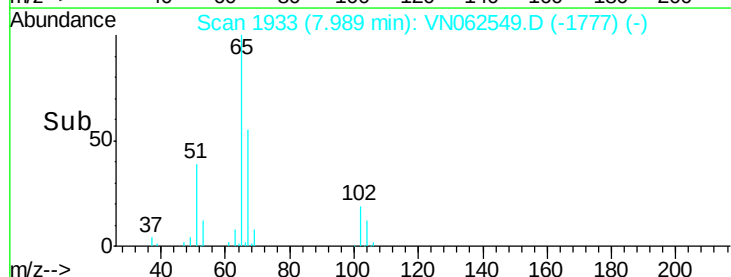
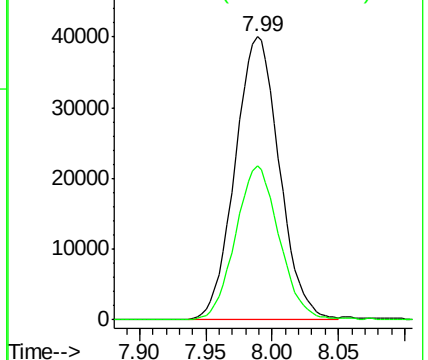
65 100

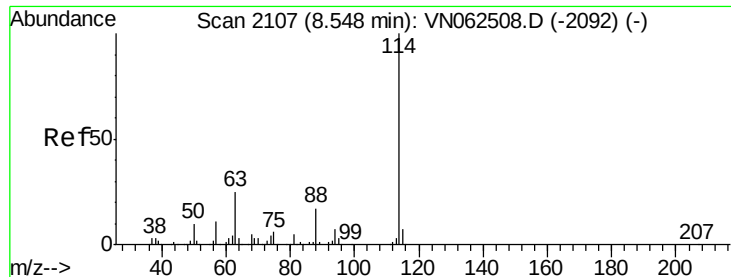
67 53.6 41.7 62.5



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

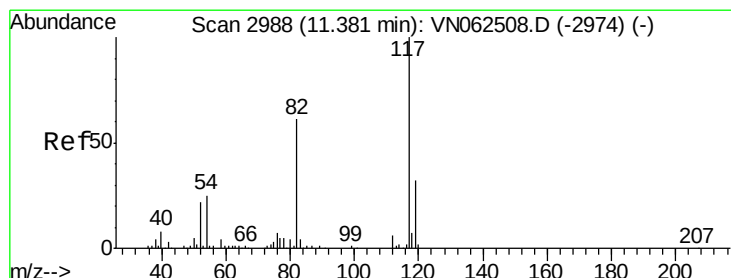
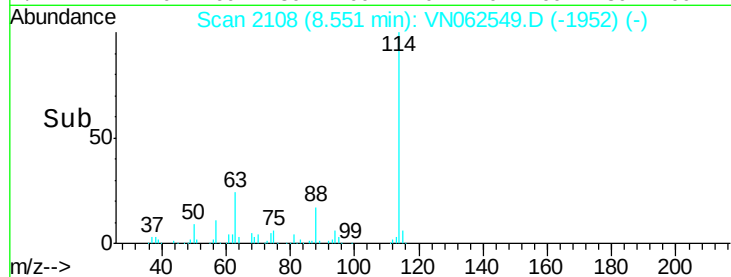
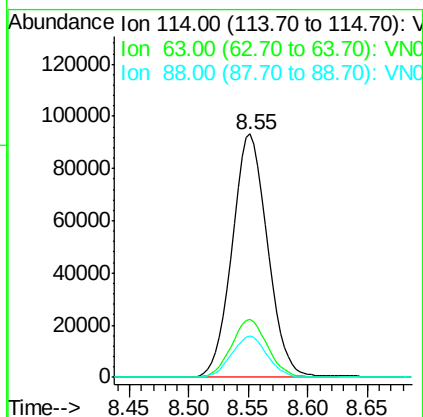
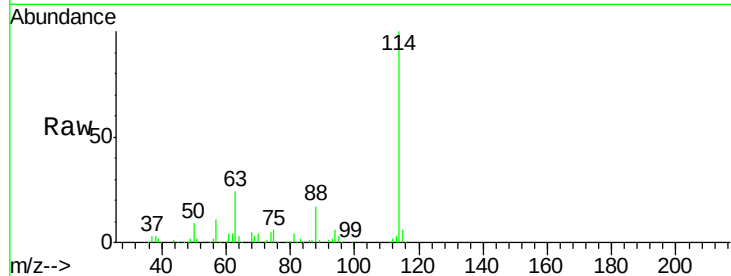




#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 8.55 min Scan# 2108  
 Delta R.T. 0.00 min  
 Lab File: VN062549.D  
 Acq: 16 Jul 2020 15:46

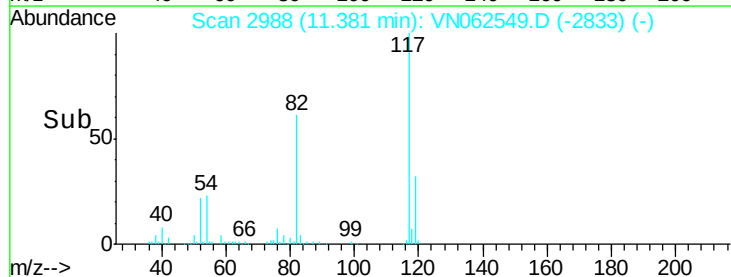
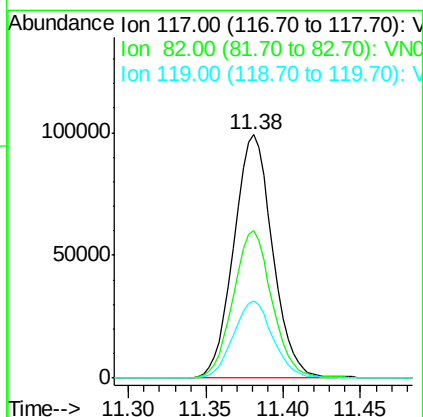
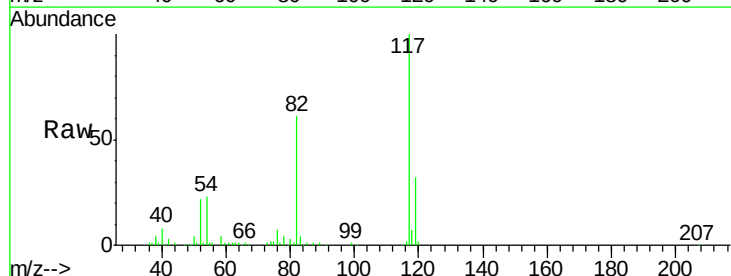
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 IBLK

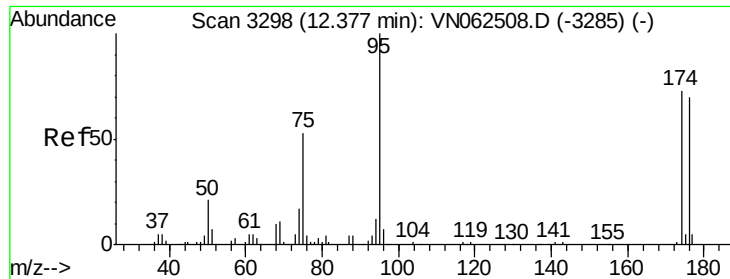
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 24.2  | 19.4  | 29.0  |
| 88      | 17.1  | 13.5  | 20.3  |



#57  
 Chlorobenzene-d5  
 Concen: 30.000 ug/l  
 RT: 11.38 min Scan# 2988  
 Delta R.T. -0.00 min  
 Lab File: VN062549.D  
 Acq: 16 Jul 2020 15:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 60.6  | 49.0  | 73.6  |
| 119     | 32.3  | 25.6  | 38.4  |

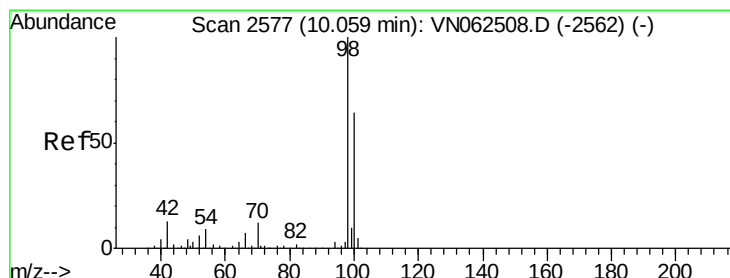
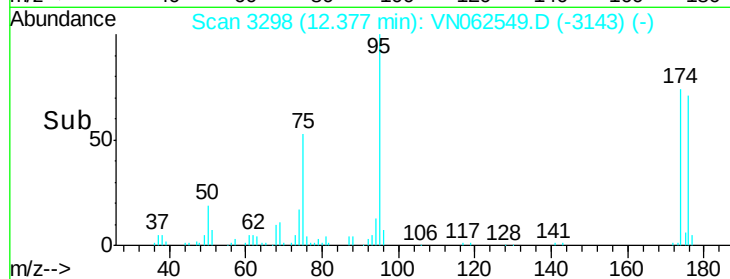
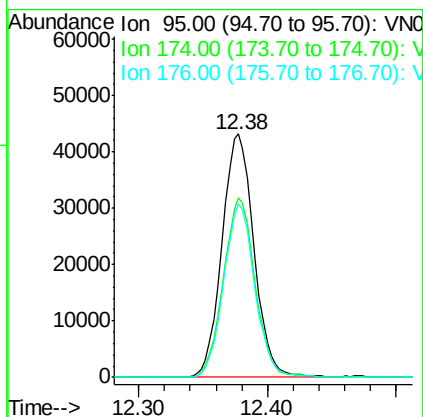
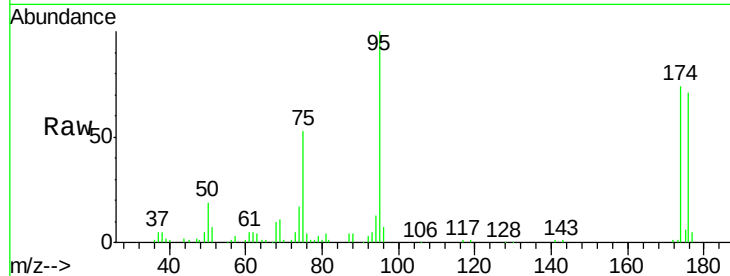




#60  
 4-Bromofluorobenzene  
 Concen: 25.249 ug/l  
 RT: 12.38 min Scan# 3298  
 Delta R.T. -0.00 min  
 Lab File: VN062549.D  
 Acq: 16 Jul 2020 15:46

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 IBLK

Tot Ion: 95 Resp: 74132  
 Ion Ratio Lower Upper  
 95 100  
 174 72.5 57.5 86.3  
 176 69.5 56.3 84.5



#63  
 Toluene-d8  
 Concen: 29.795 ug/l  
 RT: 10.06 min Scan# 2577  
 Delta R.T. -0.00 min  
 Lab File: VN062549.D  
 Acq: 16 Jul 2020 15:46

Tgt Ion: 98 Resp: 242903  
 Ion Ratio Lower Upper  
 98 100  
 100 63.5 50.4 75.6

