

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102320\  
 Data File : VX019088.D  
 Acq On : 23 Oct 2020 19:52  
 Operator : JC/SP  
 Sample : L4457-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 NOTT-AVE-PR-2150

Quant Time: Oct 26 17:13:54 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102320W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Oct 26 03:21:29 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 4.98  | 128  | 39536    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 6.83  | 114  | 219343   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 10.10 | 117  | 200147   | 30.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4   | 6.03   | 65    | 81460    | 30.93    | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =    | 103.10% |
| 60) 4-Bromofluorobenzene    | 11.12  | 95    | 90492    | 30.12    | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =    | 100.40% |
| 63) Toluene-d8              | 8.70   | 98    | 260321   | 29.46    | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =    | 98.20%  |

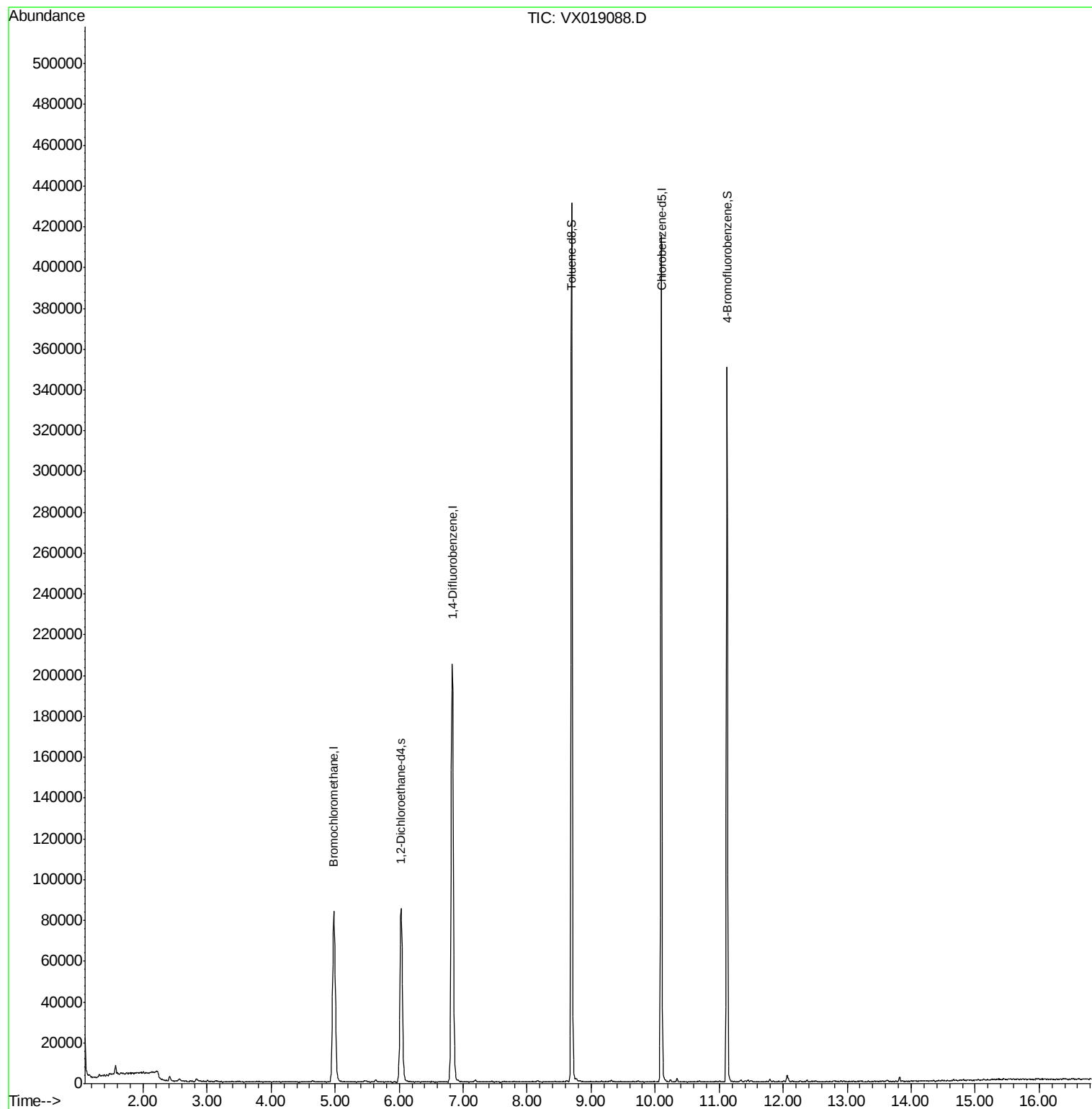
| Target Compounds | Ovalue |
|------------------|--------|
| -----            |        |

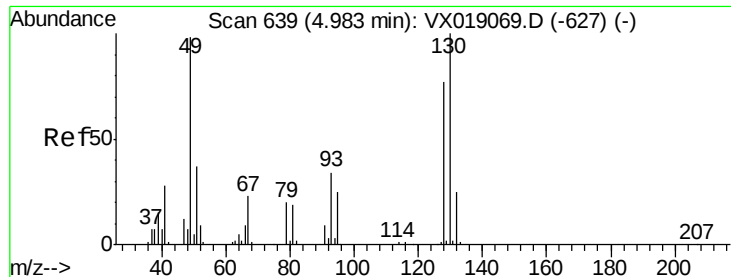
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X102320W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Mon Oct 26 03:21:29 2020  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 639

Delta R.T. 0.00 min

Lab File: VX019088.D

Acq: 23 Oct 2020 19:52

Instrument :

MSVOA\_X

ClientSampleId :

NOTT-AVE-PR-2150

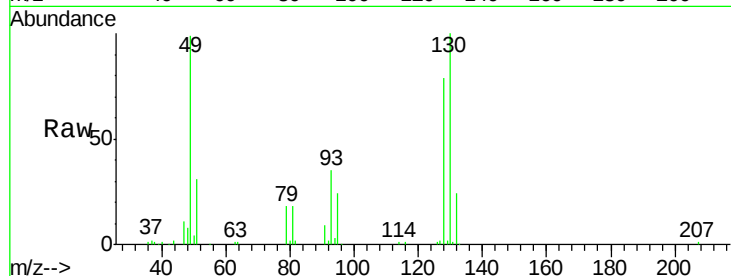
Tot Ion:128 Resp: 39536

Ion Ratio Lower Upper

128 100

49 131.0 0.0 318.8

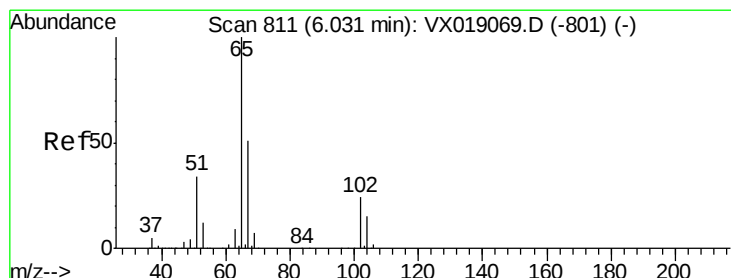
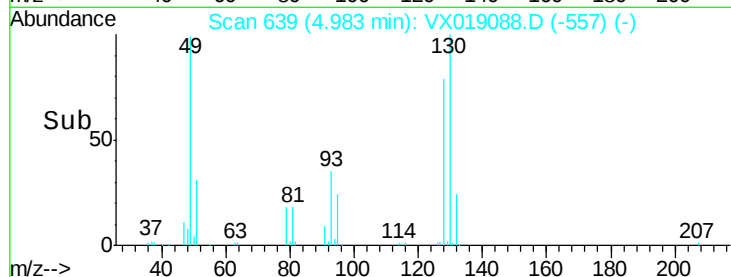
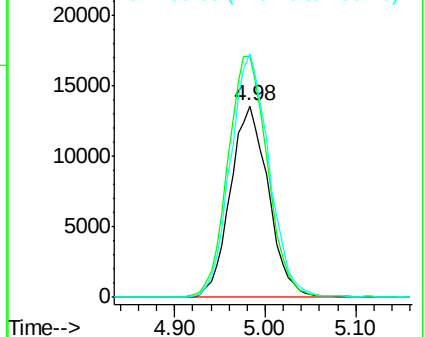
130 129.5 0.0 321.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#27

1,2-Dichloroethane-d4

Concen: 30.934 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX019088.D

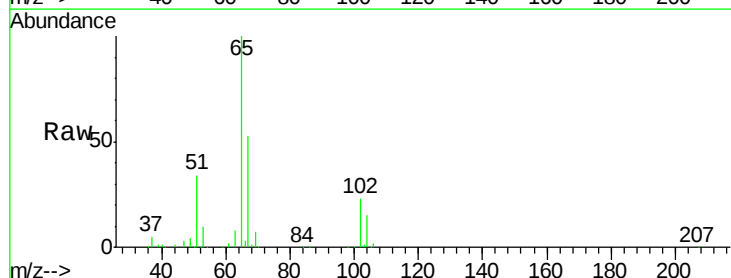
Acq: 23 Oct 2020 19:52

Tgt Ion: 65 Resp: 81460

Ion Ratio Lower Upper

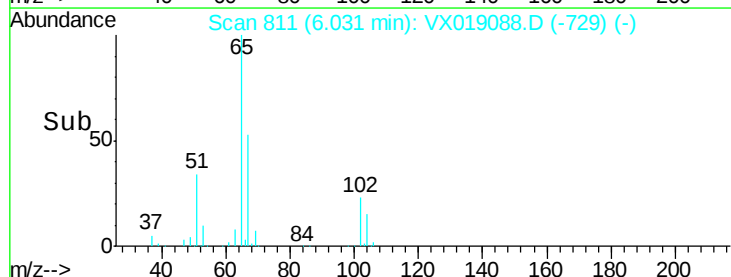
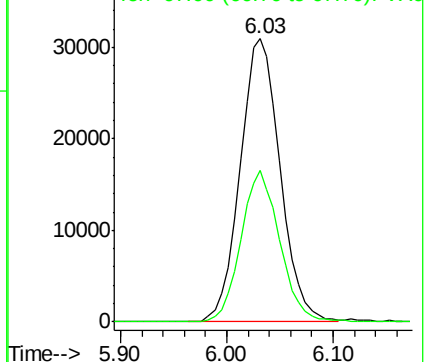
65 100

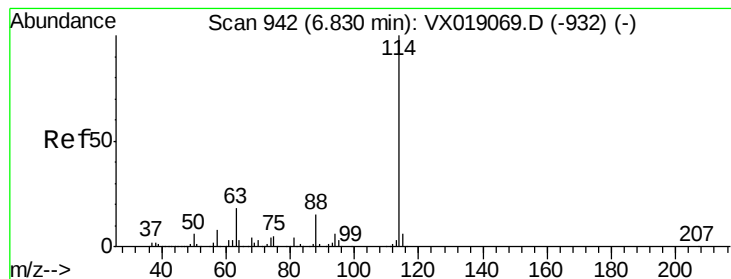
67 51.7 42.0 63.0



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX019088.D

Acq: 23 Oct 2020 19:52

Instrument :

MSVOA\_X

ClientSampleId :

NOTT-AVE-PR-2150

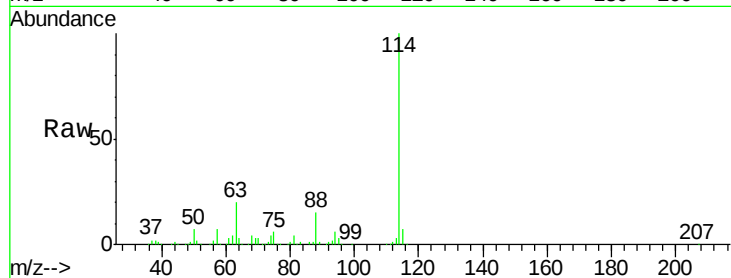
Tot Ion:114 Resp: 219343

Ion Ratio Lower Upper

114 100

63 18.9 14.6 21.8

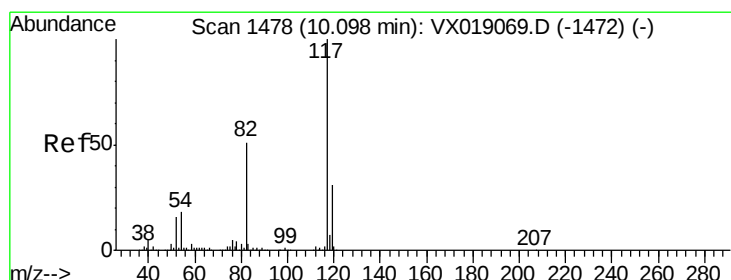
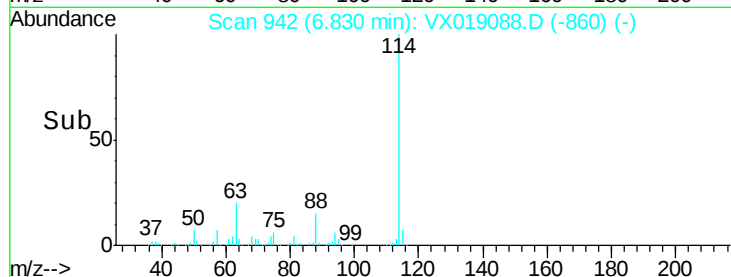
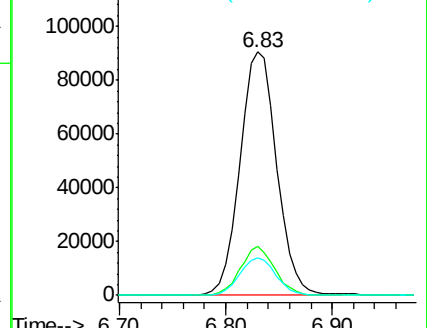
88 15.3 12.2 18.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX019088.D

Acq: 23 Oct 2020 19:52

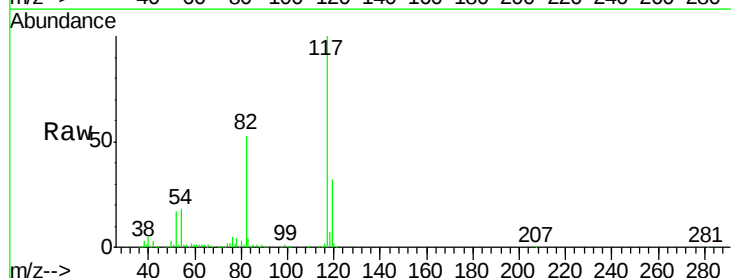
Tgt Ion:117 Resp: 200147

Ion Ratio Lower Upper

117 100

82 53.8 42.5 63.7

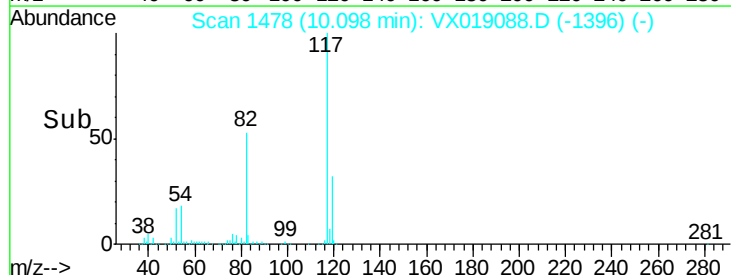
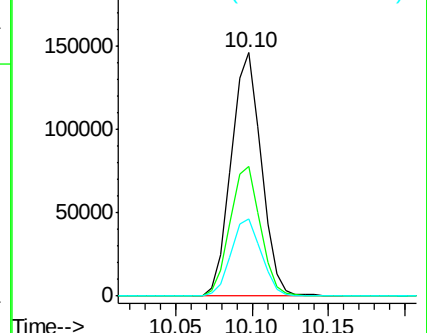
119 32.1 25.6 38.4

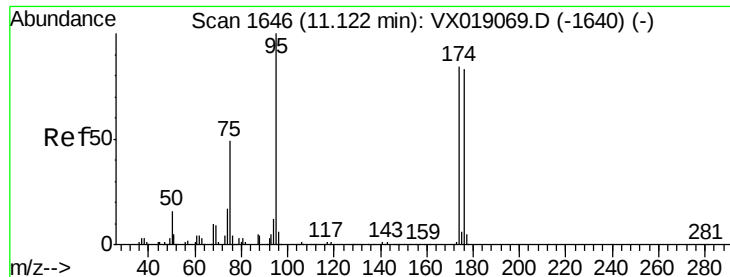


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V

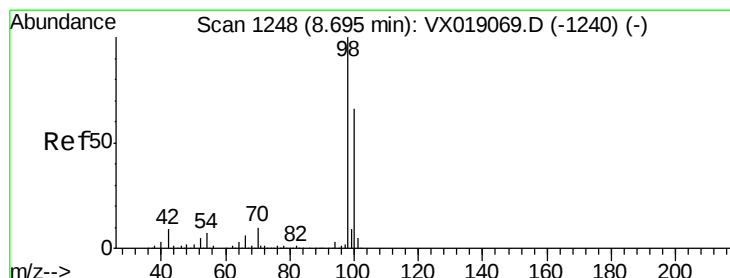
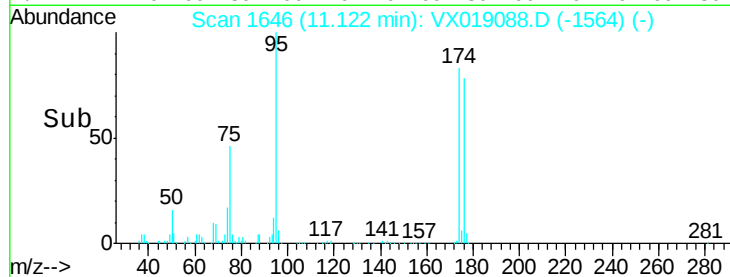
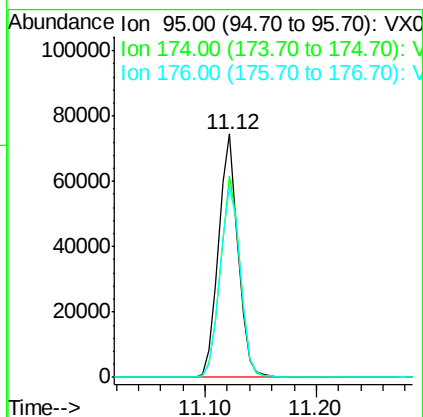
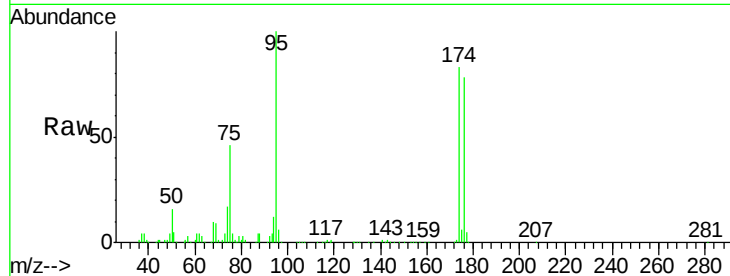




#60  
4-Bromofluorobenzene  
Concen: 30.123 ug/l  
RT: 11.12 min Scan# 1646  
Delta R.T. 0.00 min  
Lab File: VX019088.D  
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| Tot Ion   | 95   | Resp | 90492 |
|-----------|------|------|-------|
| Ion Ratio | 100  |      |       |
| 174       | 83.0 | 66.3 | 99.5  |
| 176       | 81.7 | 65.5 | 98.3  |



#63  
Toluene-d8  
Concen: 29.459 ug/l  
RT: 8.70 min Scan# 1248  
Delta R.T. 0.00 min  
Lab File: VX019088.D  
Acq: 23 Oct 2020 19:52

| Tgt Ion   | 98   | Resp | 260321 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| 100       | 65.9 | 52.2 | 78.4   |

