

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_F\DATA\VF031219\  
 Data File : VF061912.D  
 Acq On : 12 Mar 2019 18:35  
 Operator : VA/AP  
 Sample : K1697-03  
 Misc : 6.14g/5mL/MSVOA-F/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 SU-03-031119-B

Manual Integrations  
 APPROVED

MMDadoda  
 3/13/2019 4:41:34 PM

Quant Time: Mar 13 02:31:52 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F030419S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 05 04:50:44 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 4.86  | 168  | 288644   | 50.00  | ug/l    | -0.02     |
| 34) 1,4-Difluorobenzene     | 5.58  | 114  | 464740   | 50.00  | ug/l    | -0.03     |
| 63) Chlorobenzene-d5        | 9.76  | 117  | 371971   | 50.00  | ug/l    | -0.02     |
| 72) 1,4-Dichlorobenzene-d4  | 12.54 | 152  | 175289   | 50.00  | ug/l    | -0.01     |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 4.84  | 65   | 121570   | 57.83  | ug/l    | -0.01     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 115.66% |           |
| 35) Dibromofluoromethane    | 4.10  | 113  | 173536   | 53.51  | ug/l    | -0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.02% |           |
| 50) Toluene-d8              | 7.54  | 98   | 417748   | 43.33  | ug/l    | -0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 86.66%  |           |
| 62) 4-Bromofluorobenzene    | 11.40 | 95   | 164329   | 43.52  | ug/l    | -0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 87.04%  |           |
| Target Compounds            |       |      |          |        |         |           |
| 16) Acetone                 | 2.23  | 43   | 13593    | 30.871 | ug/l    | Qvalue 92 |

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

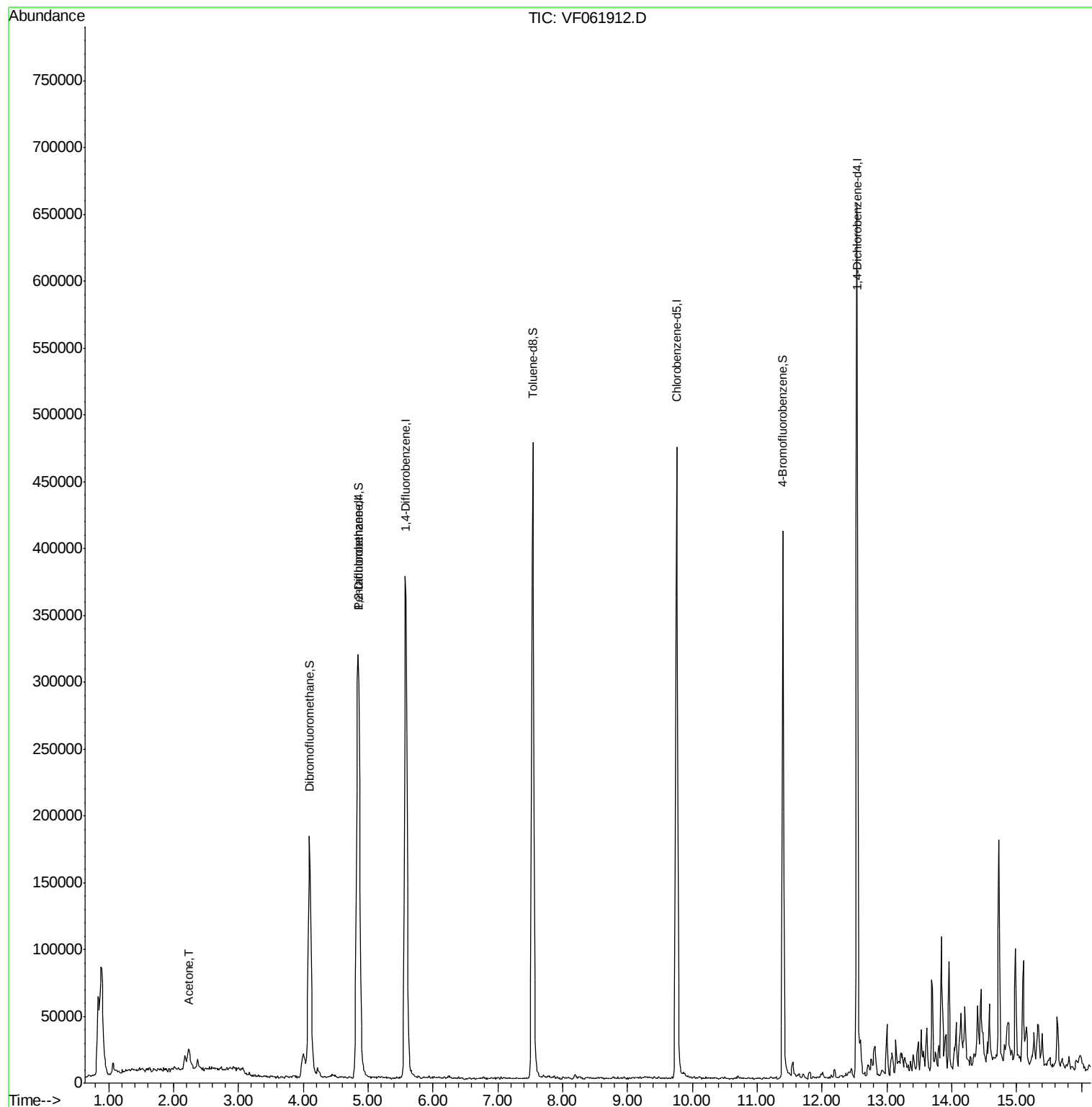
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_F\DATA\VF031219\  
Data File : VF061912.D  
Acq On : 12 Mar 2019 18:35  
Operator : VA/AP  
Sample : K1697-03  
Misc : 6.14g/5mL/MSVOA-F/SOIL  
ALS Vial : 10 Sample Multiplier: 1

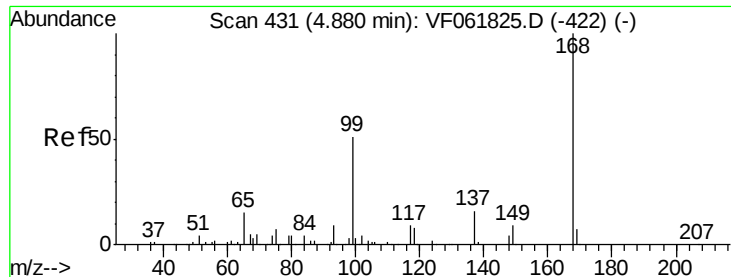
Instrument :  
MSVOA\_F  
ClientSampleId :  
SU-03-031119-B

Manual Integrations  
APPROVED

MMDadoda  
3/13/2019 4:41:34 PM

Quant Time: Mar 13 02:31:52 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F030419S.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 05 04:50:44 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.02 min

Lab File: VF061912.D

Acq: 12 Mar 2019 18:35

Instrument :

MSVOA\_F

ClientSampleId :

SU-03-031119-B

Tgt Ion:168 Resp: 288644

Ion Ratio Lower Upper

168 100

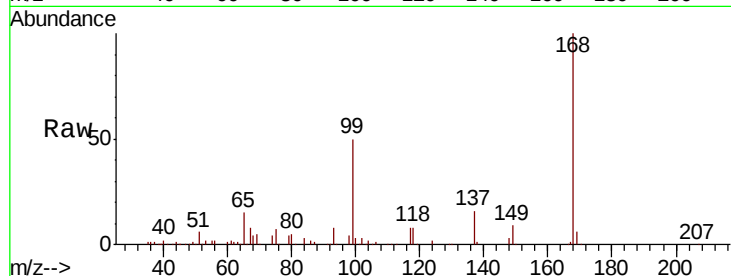
99 49.6 40.8 61.2

Manual Integrations

APPROVED

MMDadoda

3/13/2019 4:41:34 PM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

80000

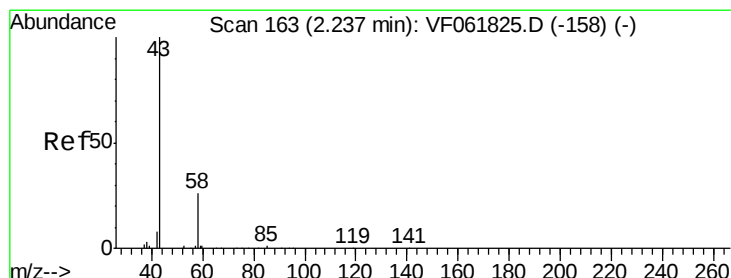
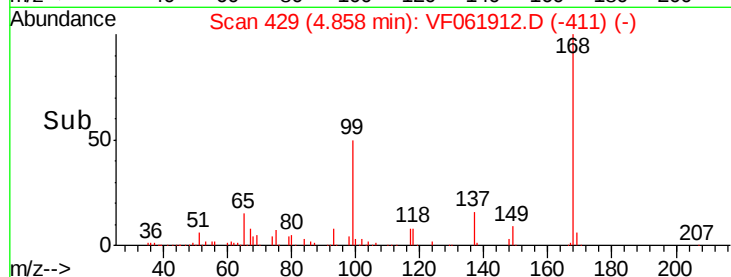
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 30.871 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061912.D

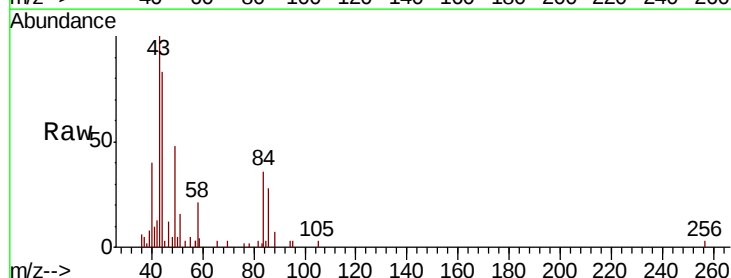
Acq: 12 Mar 2019 18:35

Tgt Ion: 43 Resp: 13593

Ion Ratio Lower Upper

43 100

58 21.5 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.23

5000

4000

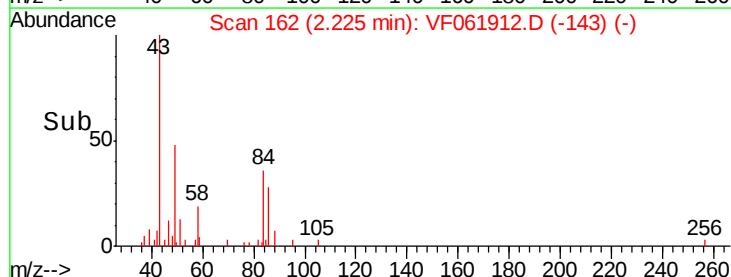
3000

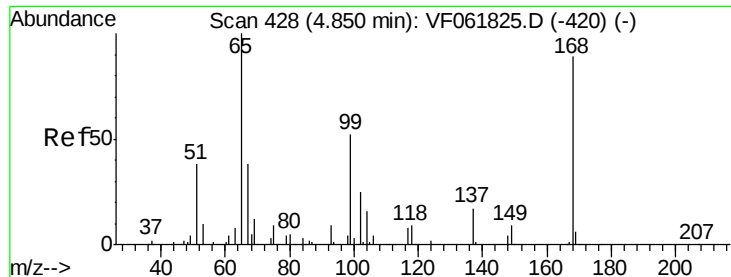
2000

1000

0

Time-->





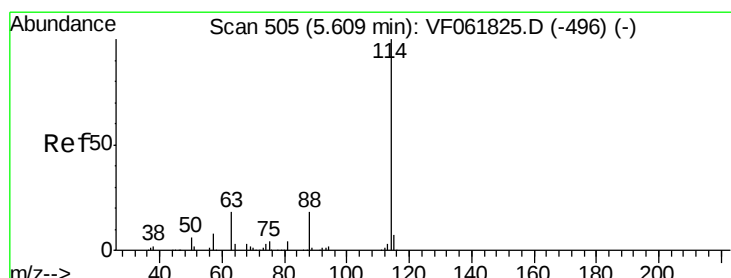
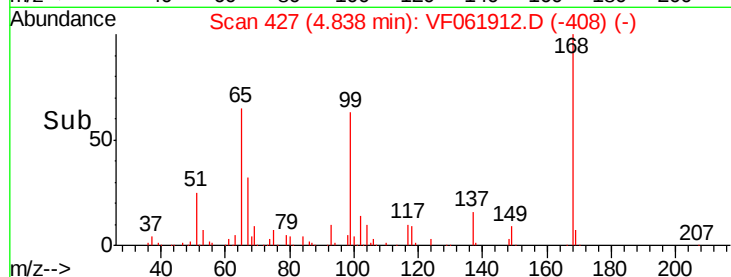
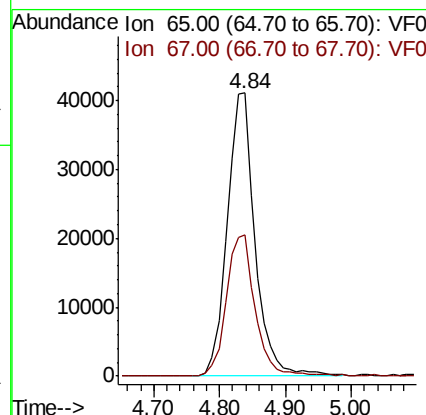
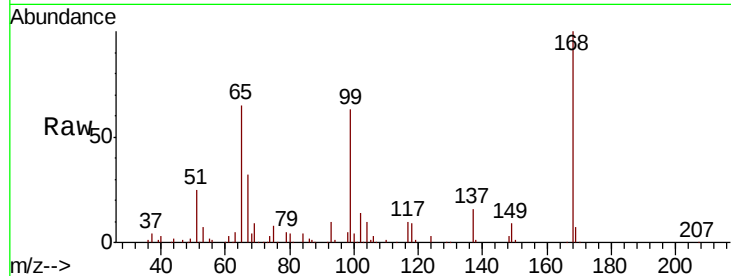
#33  
 1,2-Dichloroethane-d4  
 Concen: 57.834 ug/l  
 RT: 4.84 min Scan# 427  
 Delta R.T. -0.01 min  
 Lab File: VF061912.D  
 Acq: 12 Mar 2019 18:35

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 SU-03-031119-B

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 121570 |       |       |
| 67      | 49.9  | 0.0    | 108.6 |       |

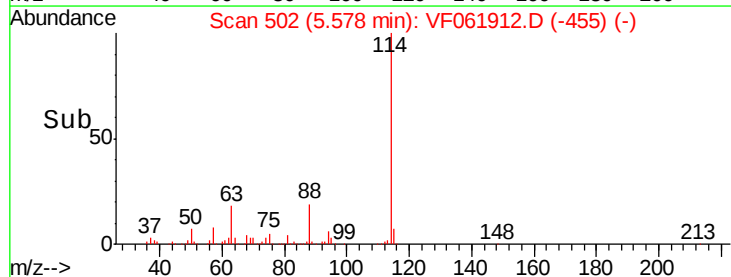
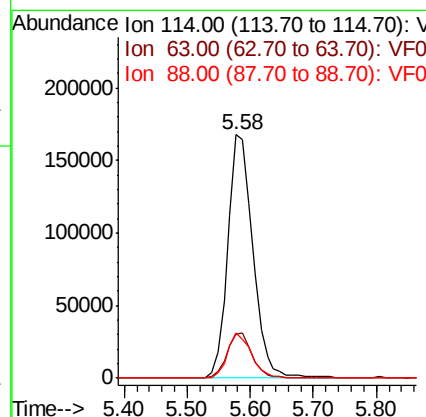
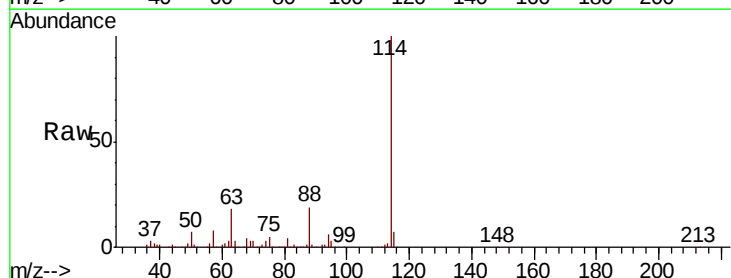
Manual Integrations  
 APPROVED

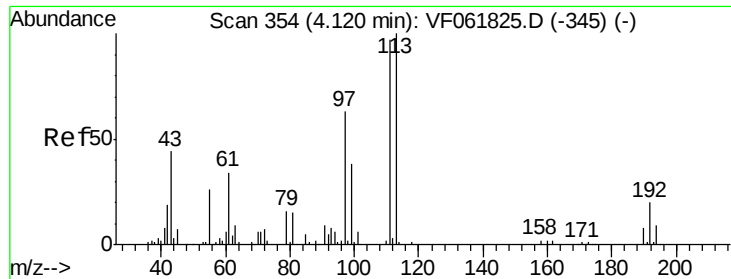
MMDadoda  
 3/13/2019 4:41:34 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.58 min Scan# 502  
 Delta R.T. -0.03 min  
 Lab File: VF061912.D  
 Acq: 12 Mar 2019 18:35

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 464740 |       |       |
| 63      | 17.9  | 0.0    | 35.6  |       |
| 88      | 18.7  | 0.0    | 35.6  |       |





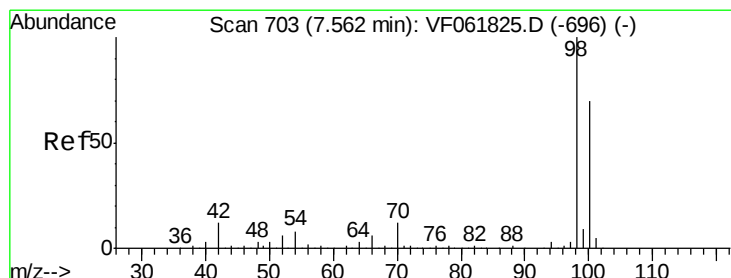
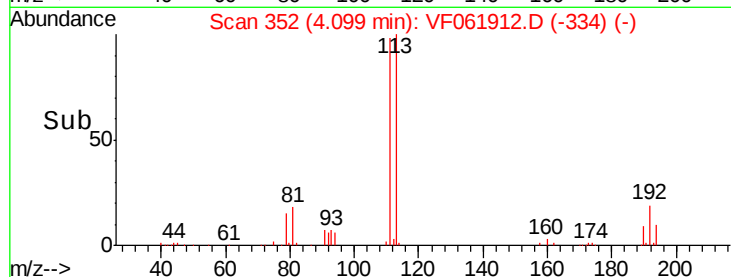
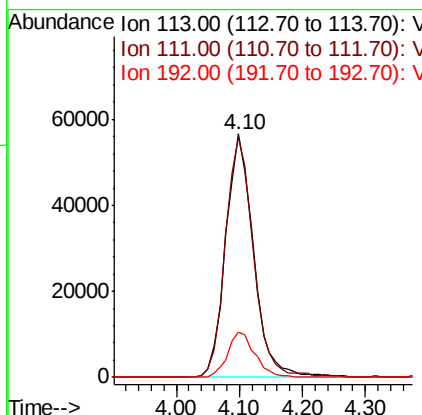
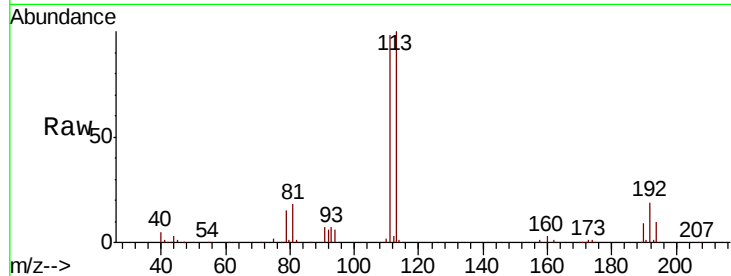
#35  
Dibromofluoromethane  
Concen: 53.506 ug/l  
RT: 4.10 min Scan# 352  
Delta R.T. -0.02 min  
Lab File: VF061912.D  
Acq: 12 Mar 2019 18:35

Instrument :  
MSVOA\_F  
ClientSampleId :  
SU-03-031119-B

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 98.4  | 77.6  | 116.4 |
| 192     | 18.6  | 15.9  | 23.9  |

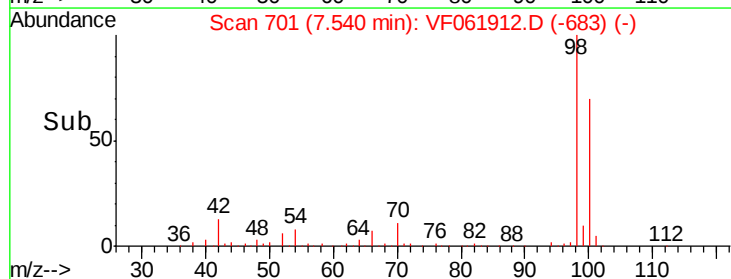
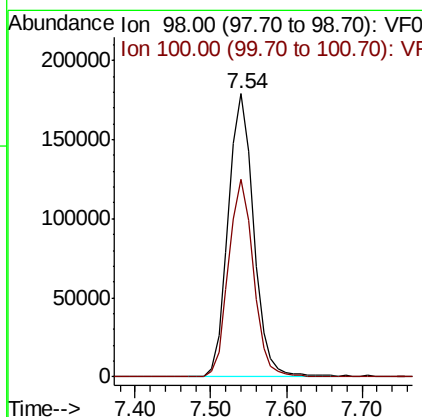
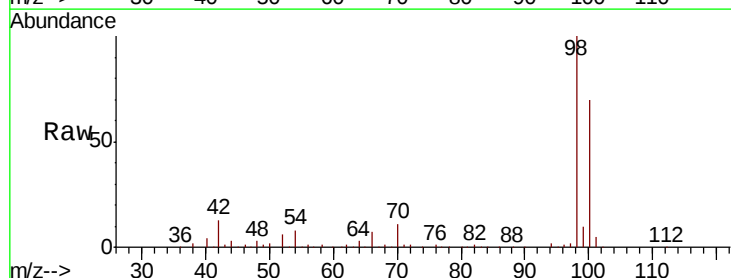
Manual Integrations  
APPROVED

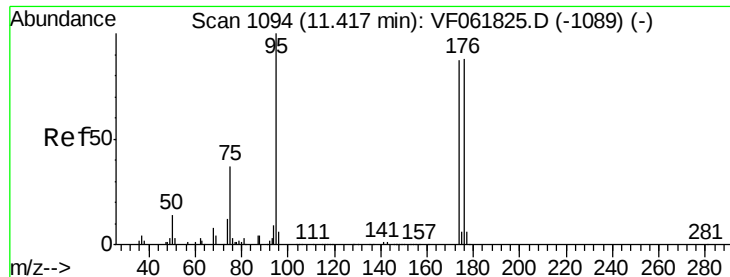
MMDadoda  
3/13/2019 4:41:34 PM



#50  
Toluene-d8  
Concen: 43.335 ug/l  
RT: 7.54 min Scan# 701  
Delta R.T. -0.02 min  
Lab File: VF061912.D  
Acq: 12 Mar 2019 18:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 69.6  | 56.0  | 84.0  |





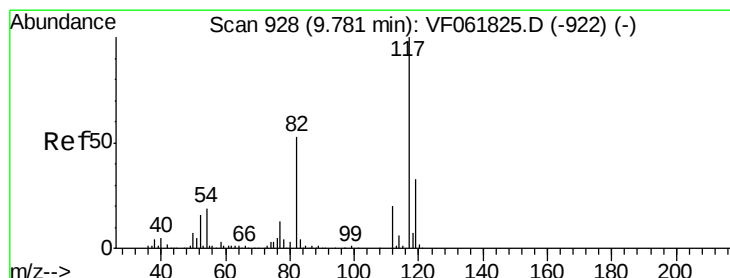
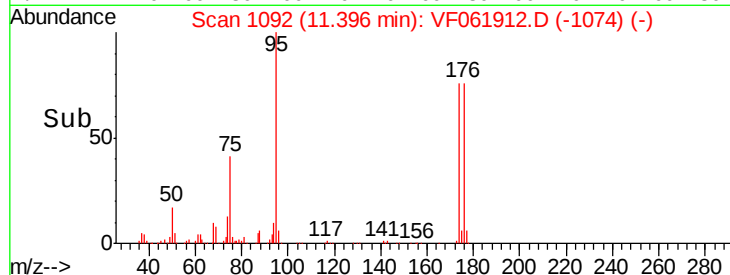
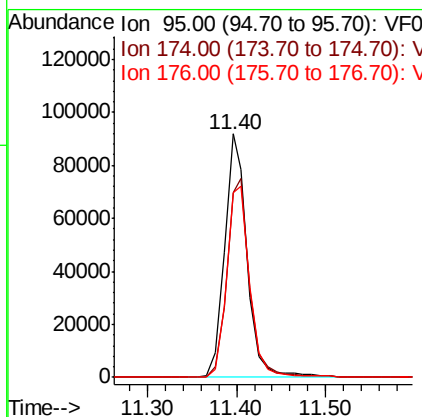
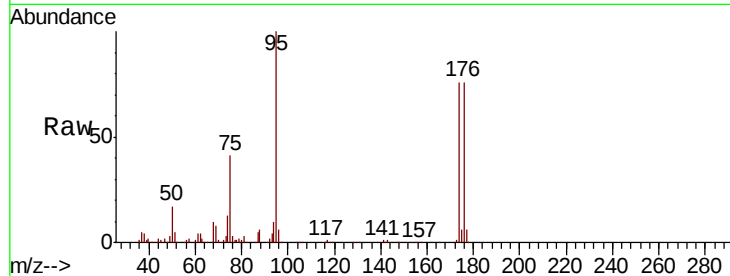
#62  
4-Bromofluorobenzene  
Concen: 43.517 ug/l  
RT: 11.40 min Scan# 1092  
Delta R.T. -0.02 min  
Lab File: VF061912.D  
Acq: 12 Mar 2019 18:35

Instrument :  
MSVOA\_F  
ClientSampleId :  
SU-03-031119-B

Tgt Ion: 95 Resp: 164329  
Ion Ratio Lower Upper  
95 100  
174 76.1 0.0 174.0  
176 76.1 0.0 175.2

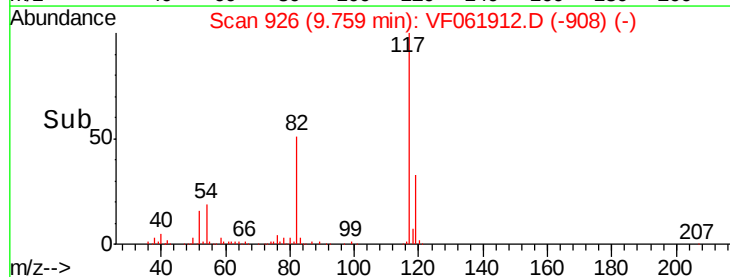
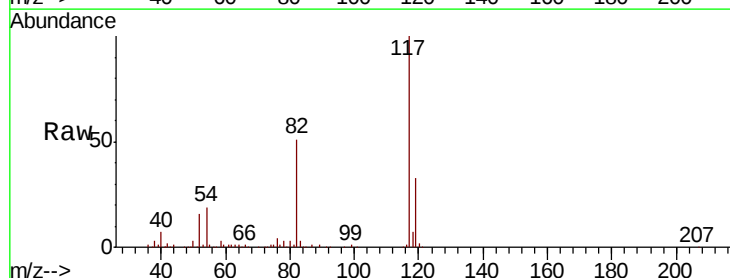
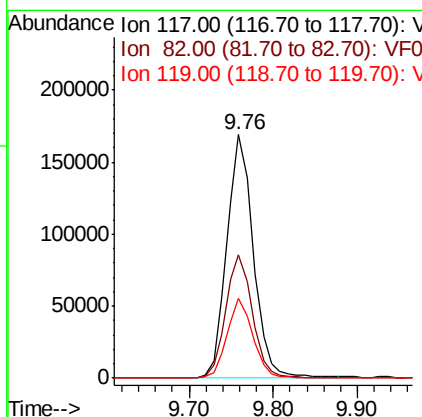
Manual Integrations  
APPROVED

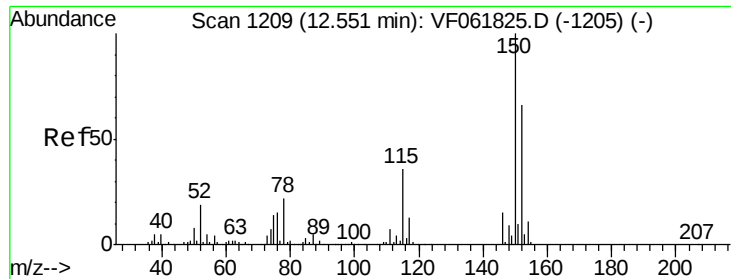
MMDadoda  
3/13/2019 4:41:34 PM



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.76 min Scan# 926  
Delta R.T. -0.02 min  
Lab File: VF061912.D  
Acq: 12 Mar 2019 18:35

Tgt Ion: 117 Resp: 371971  
Ion Ratio Lower Upper  
117 100  
82 50.7 42.6 63.8  
119 32.8 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF061912.D

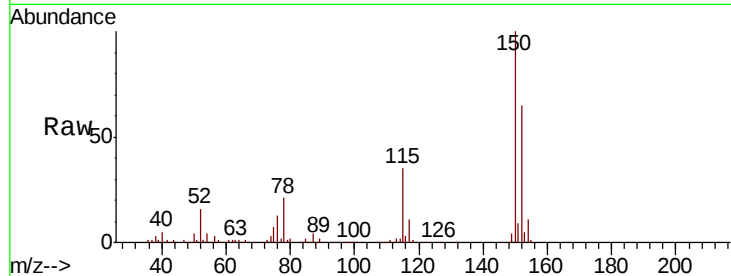
Acq: 12 Mar 2019 18:35

Instrument :

MSVOA\_F

ClientSampleId :

SU-03-031119-B



| Tgt | Ion   | Ratio | Lower | Upper |
|-----|-------|-------|-------|-------|
| 152 | 100   |       |       |       |
| 115 | 53.6  | 27.7  | 83.1  |       |
| 150 | 154.5 | 0.0   | 304.2 |       |

Manual Integrations  
APPROVED

MMDadoda  
3/13/2019 4:41:34 PM

