

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032119\  
 Data File : VF062061.D  
 Acq On : 21 Mar 2019 15:28  
 Operator : VA/AP  
 Sample : K1688-27  
 Misc : 7.33g/5mL/MSVOA-F/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 JC-02-031919-D

Manual Integrations  
 APPROVED

MMDadoda  
 3/23/2019 2:59:19 AM

Quant Time: Mar 22 08:30:59 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F031619S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 22 03:22:44 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 4.88  | 168  | 275138   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.61  | 114  | 459547   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 9.78  | 117  | 365391   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.56 | 152  | 195900   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 4.85  | 65   | 109340   | 55.21  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 110.42% |          |
| 35) Dibromofluoromethane    | 4.12  | 113  | 157889   | 51.16  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.32% |          |
| 50) Toluene-d8              | 7.56  | 98   | 404630   | 44.85  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 89.70%  |          |
| 62) 4-Bromofluorobenzene    | 11.42 | 95   | 169616   | 47.33  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 94.66%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.25  | 43   | 24317    | 54.677 | ug/l    | 96       |
| 20) Methylene Chloride      | 2.19  | 84   | 24654m   | 10.625 | ug/l    |          |

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

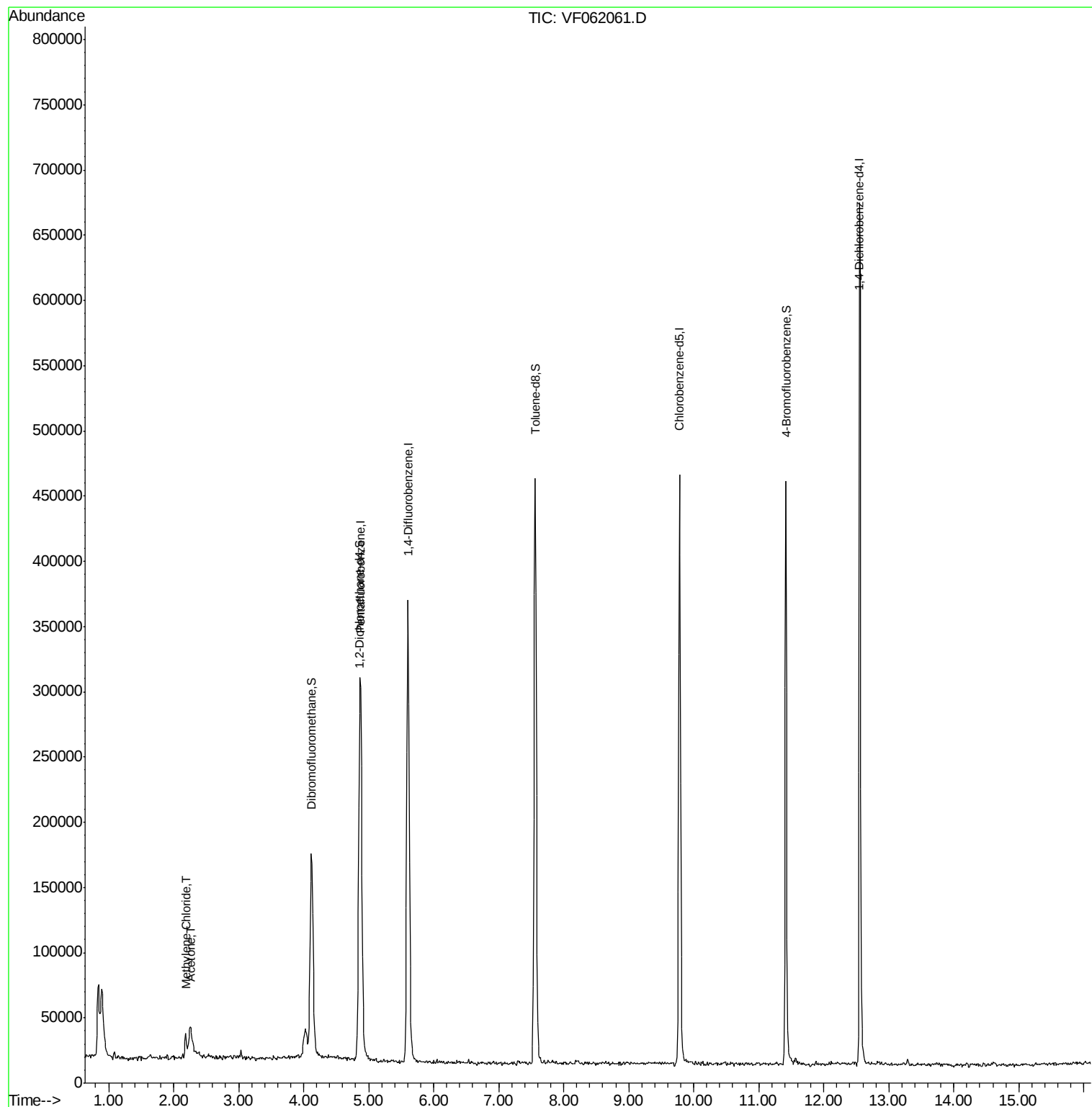
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032119\  
Data File : VF062061.D  
Acq On : 21 Mar 2019 15:28  
Operator : VA/AP  
Sample : K1688-27  
Misc : 7.33g/5mL/MSVOA-F/SOIL  
ALS Vial : 9 Sample Multiplier: 1

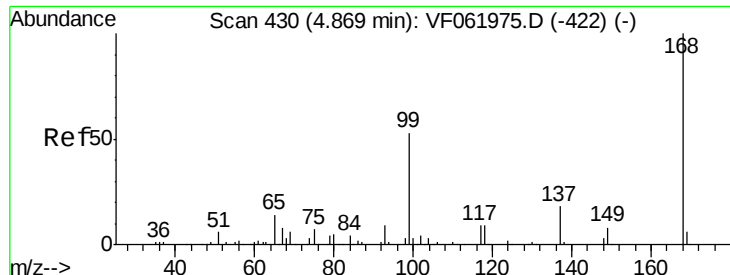
Instrument :  
MSVOA\_F  
ClientSampleId :  
JC-02-031919-D

Manual Integrations  
APPROVED

MMDadoda  
3/23/2019 2:59:19 AM

Quant Time: Mar 22 08:30:59 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F031619S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 22 03:22:44 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF062061.D

Acq: 21 Mar 2019 15:28

Instrument :

MSVOA\_F

ClientSampleId :

JC-02-031919-D

Tot Ion:168 Resp: 275138

Ion Ratio Lower Upper

168 100

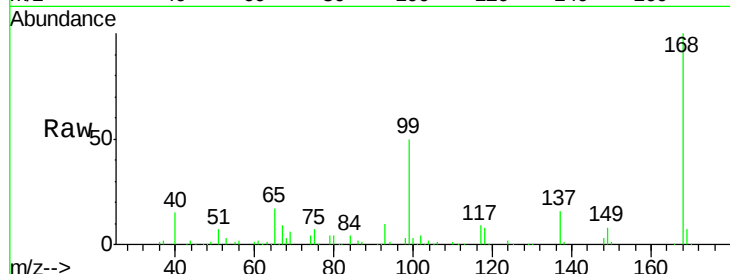
99 50.5 42.4 63.6

Manual Integrations

APPROVED

MMDadoda

3/23/2019 2:59:19 AM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

80000

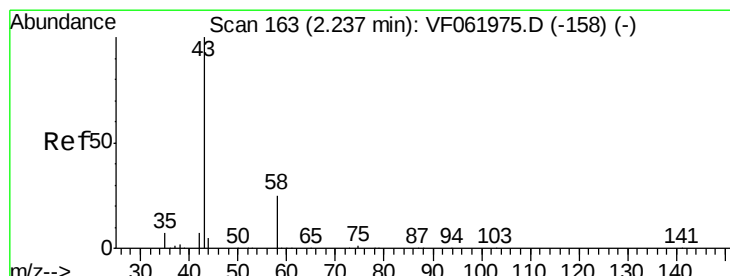
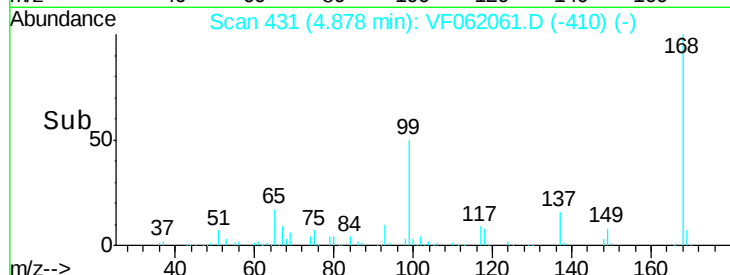
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 54.677 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF062061.D

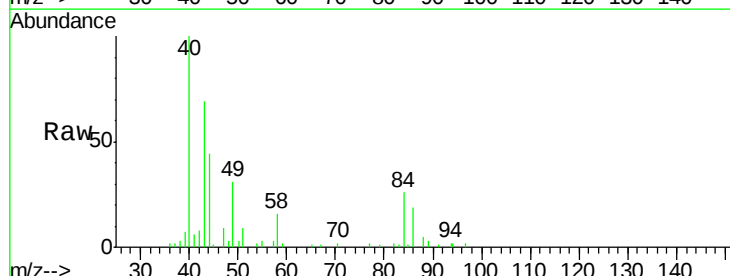
Acq: 21 Mar 2019 15:28

Tgt Ion: 43 Resp: 24317

Ion Ratio Lower Upper

43 100

58 23.0 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.25

8000

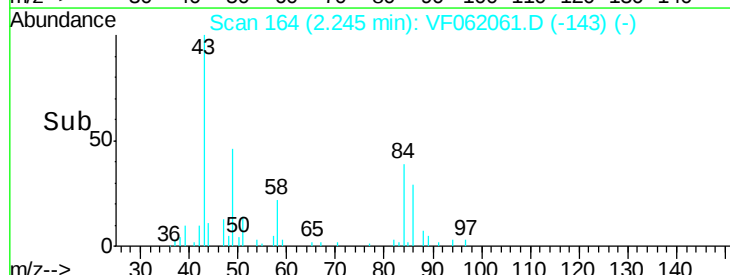
6000

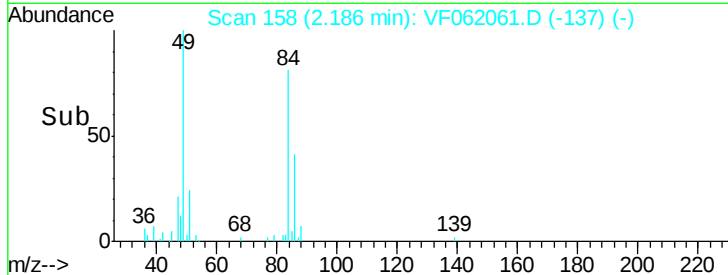
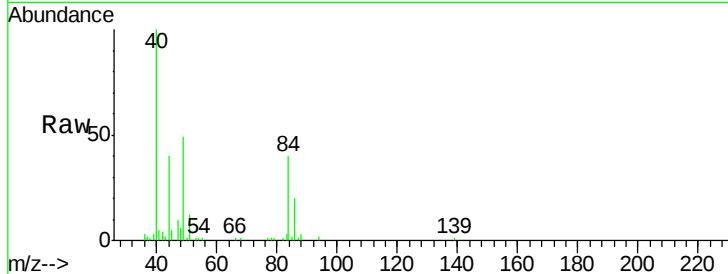
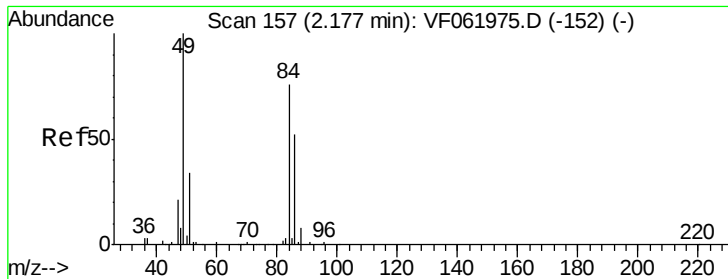
4000

2000

0

Time-->





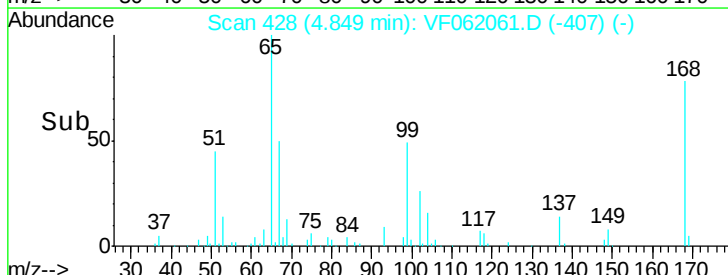
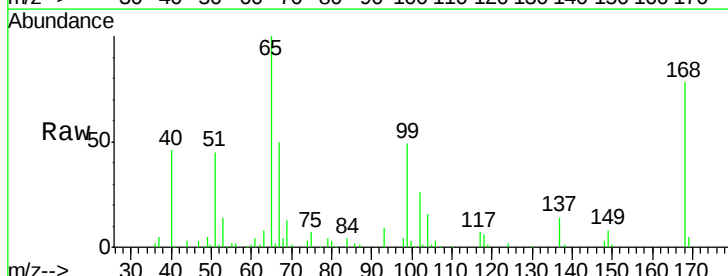
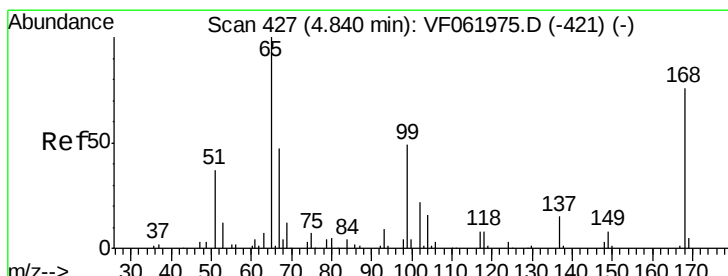
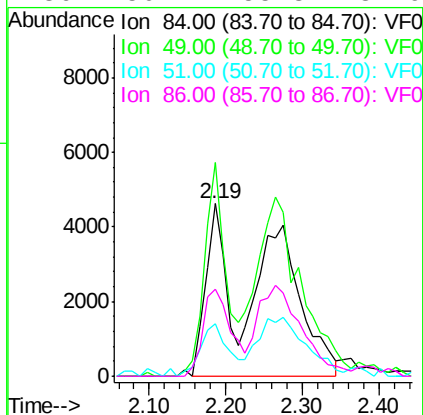
#20  
Methvlene Chloride  
Concen: 10.625 ug/l m  
RT: 2.19 min Scan# 158  
Delta R.T. 0.01 min  
Lab File: VF062061.D  
Acq: 21 Mar 2019 15:28

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 84      | 84  | 100   |       |       |
| 49      | 49  | 124.0 | 107.0 | 160.6 |
| 51      | 51  | 30.3  | 37.2  | 55.8# |
| 86      | 86  | 50.7  | 55.3  | 82.9# |

Instrument :  
MSVOA\_F  
ClientSampleId :  
JC-02-031919-D

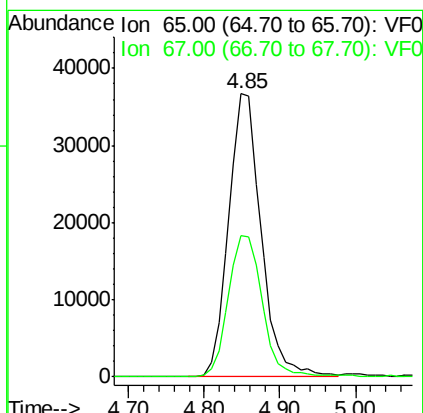
Manual Integrations  
APPROVED

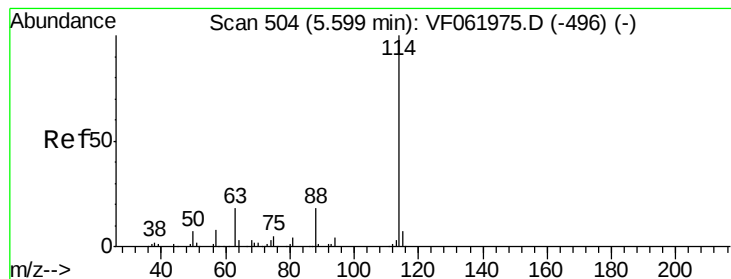
MMDadoda  
3/23/2019 2:59:19 AM



#33  
1,2-Dichloroethane-d4  
Concen: 55.207 ug/l  
RT: 4.85 min Scan# 428  
Delta R.T. 0.01 min  
Lab File: VF062061.D  
Acq: 21 Mar 2019 15:28

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 65      | 65  | 100   |       |       |
| 67      | 67  | 49.8  | 0.0   | 109.4 |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.01 min

Lab File: VF062061.D

Acq: 21 Mar 2019 15:28

Instrument :

MSVOA\_F

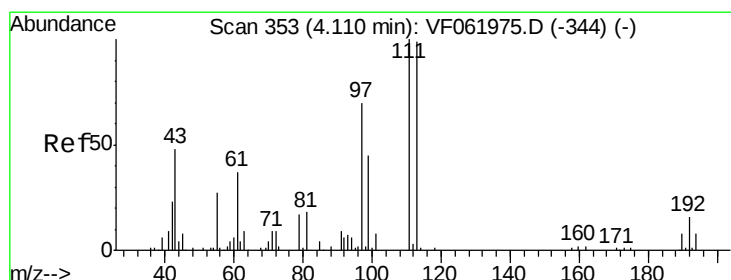
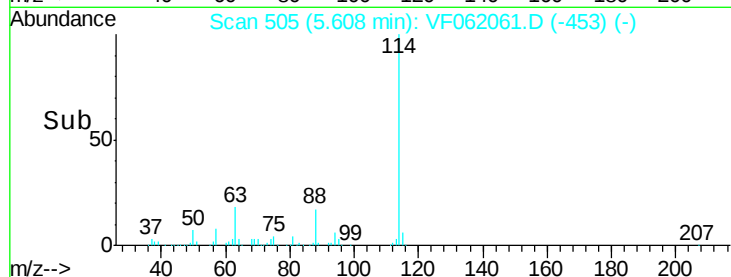
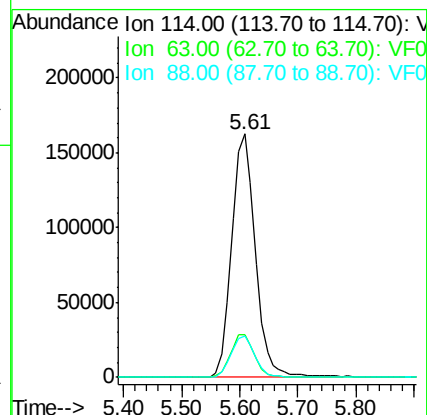
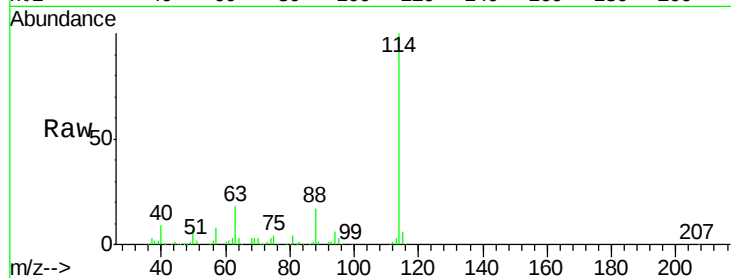
ClientSampleId :

JC-02-031919-D

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 114   | Resp: | 459547 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 17.6  | 0.0   | 36.4   |
| 88        | 17.2  | 0.0   | 36.4   |

Manual Integrations  
APPROVED

MMDadoda  
3/23/2019 2:59:19 AM



#35

Dibromofluoromethane

Concen: 51.164 ug/l

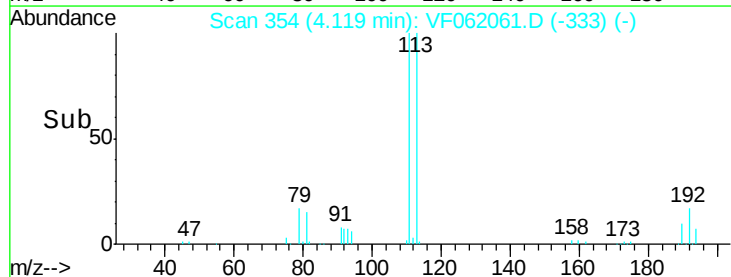
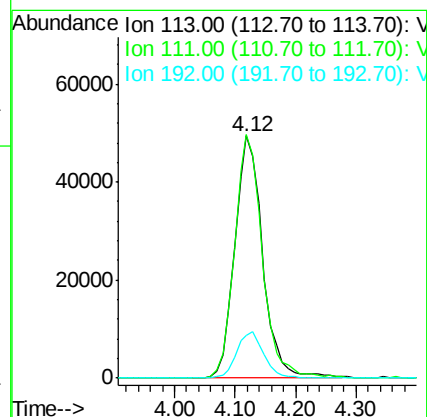
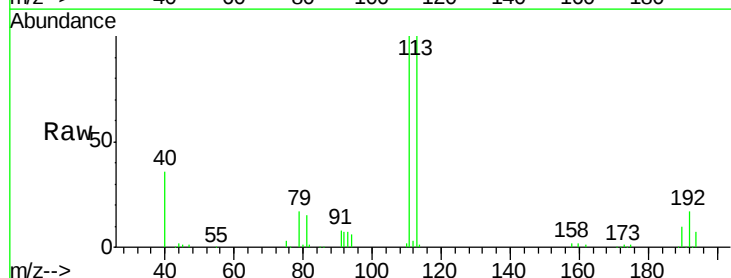
RT: 4.12 min Scan# 354

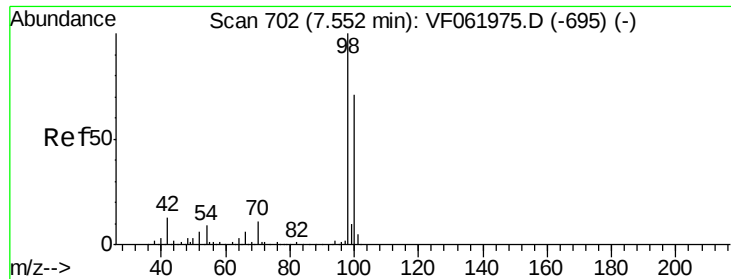
Delta R.T. 0.01 min

Lab File: VF062061.D

Acq: 21 Mar 2019 15:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 113   | Resp: | 157889 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 100.5 | 80.8  | 121.2  |
| 192       | 17.5  | 13.0  | 19.6   |





#50

Toluene-d8

Concen: 44.854 ug/l

RT: 7.56 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF062061.D

Acq: 21 Mar 2019 15:28

Instrument :

MSVOA\_F

ClientSampleId :

JC-02-031919-D

Tot Ion: 98 Resp: 404630

Ion Ratio Lower Upper

98 100

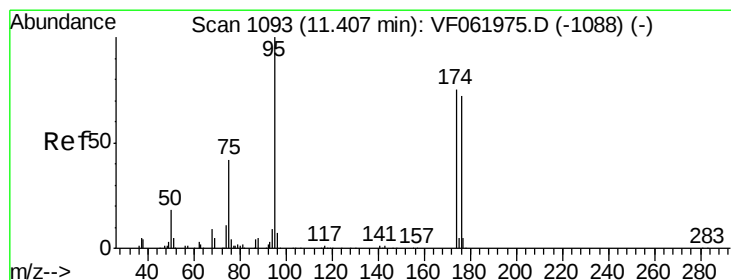
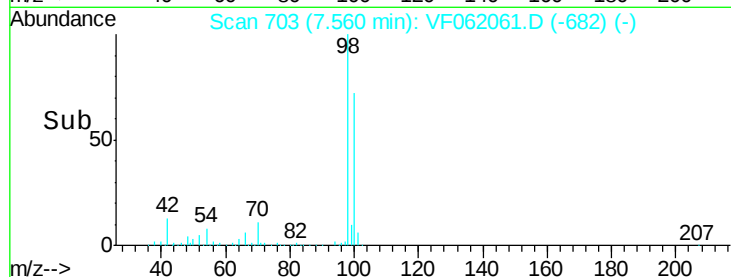
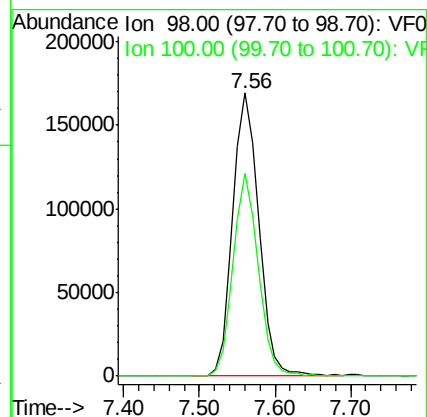
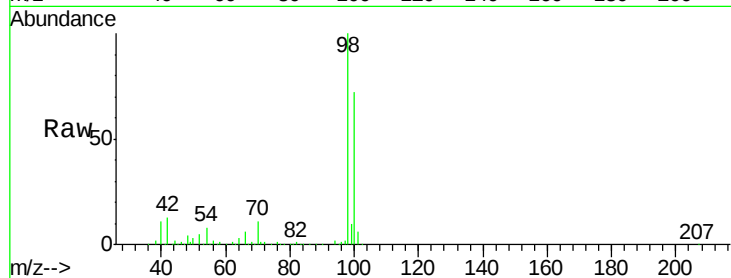
100 71.6 56.8 85.2

Manual Integrations

APPROVED

MMDadoda

3/23/2019 2:59:19 AM



#62

4-Bromofluorobenzene

Concen: 47.329 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VF062061.D

Acq: 21 Mar 2019 15:28

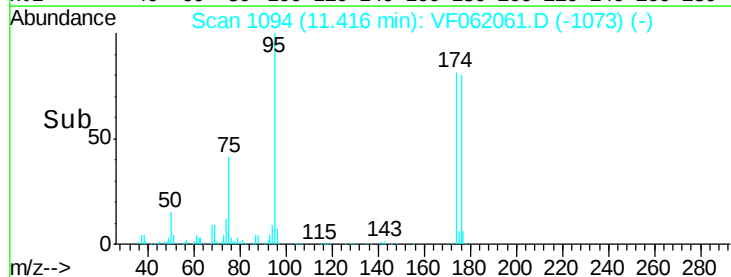
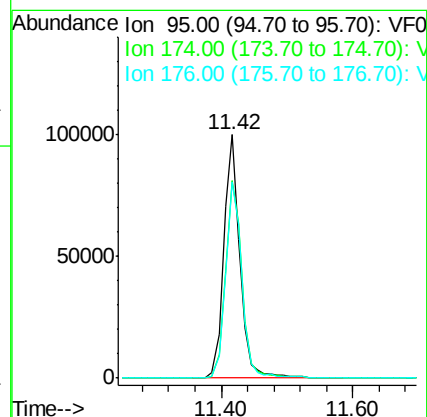
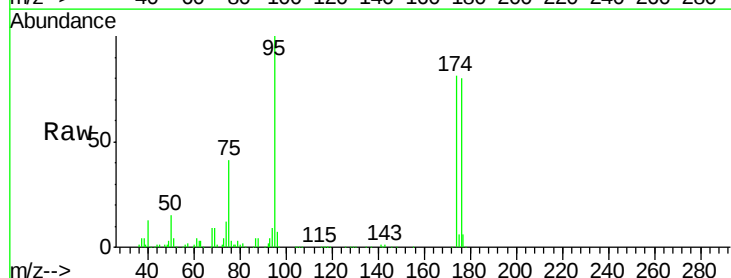
Tgt Ion: 95 Resp: 169616

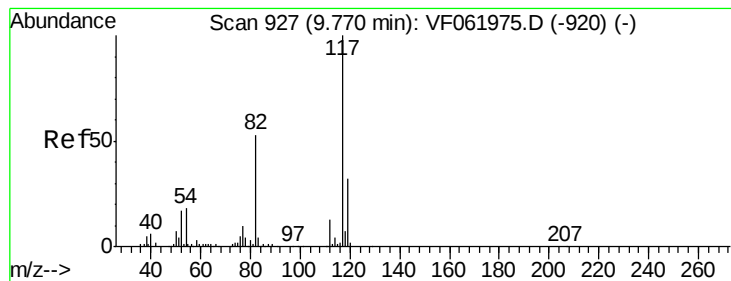
Ion Ratio Lower Upper

95 100

174 81.3 0.0 149.4

176 80.4 0.0 143.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.78 min Scan# 928

Delta R.T. 0.01 min

Lab File: VF062061.D

Acq: 21 Mar 2019 15:28

Instrument :

MSVOA\_F

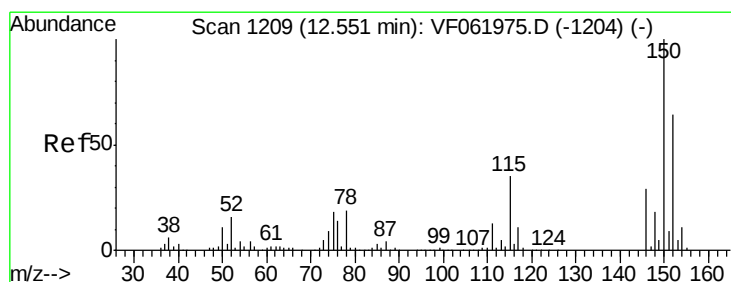
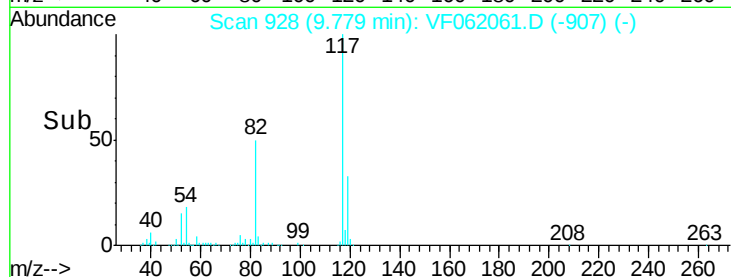
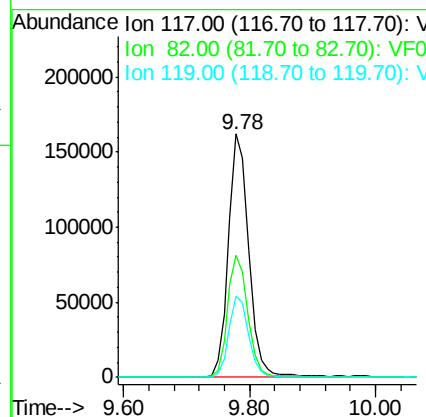
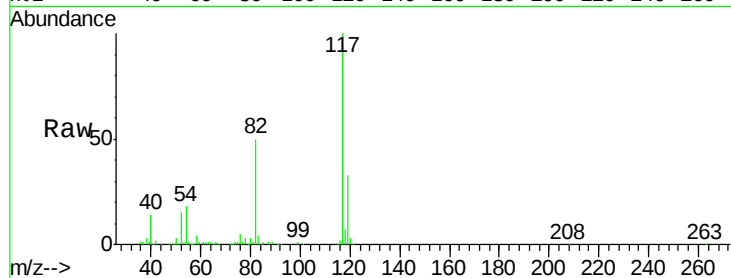
ClientSampleId :

JC-02-031919-D

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 117   | Resp: | 365391 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 50.1  | 42.5  | 63.7   |
| 119       | 33.1  | 25.4  | 38.0   |

Manual Integrations  
APPROVED

MMDadoda  
3/23/2019 2:59:19 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. 0.01 min

Lab File: VF062061.D

Acq: 21 Mar 2019 15:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 195900 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 48.5  | 27.3  | 81.9   |
| 150       | 153.3 | 0.0   | 316.2  |

