

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\  
 Data File : VF062530.D  
 Acq On : 13 May 2019 5:16  
 Operator : FY/SY  
 Sample : K2734-11RE  
 Misc : 4.82g/5mL/MSVOA F/SOIL  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 P026-SS013-0002-01RE

Manual Integrations  
 APPROVED

MMDadoda  
 5/13/2019 11:32:44 AM

Quant Time: May 15 01:58:09 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82F050619S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 07 04:34:57 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 5.08  | 168  | 224008   | 50.00  | ug/l    | 0.03      |
| 34) 1,4-Difluorobenzene     | 5.80  | 114  | 283584   | 50.00  | ug/l    | 0.03      |
| 63) Chlorobenzene-d5        | 9.93  | 117  | 194892   | 50.00  | ug/l    | 0.03      |
| 72) 1,4-Dichlorobenzene-d4  | 12.63 | 152  | 77626    | 50.00  | ug/l    | 0.02      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 5.06  | 65   | 117250   | 55.39  | ug/l    | 0.04      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 110.78% |           |
| 35) Dibromofluoromethane    | 4.33  | 113  | 142250   | 62.96  | ug/l    | 0.03      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 125.92% |           |
| 50) Toluene-d8              | 7.73  | 98   | 251944   | 46.07  | ug/l    | 0.03      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.14%  |           |
| 62) 4-Bromofluorobenzene    | 11.50 | 95   | 81634    | 33.09  | ug/l    | 0.02      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 66.18%  |           |
| Target Compounds            |       |      |          |        |         |           |
| 16) Acetone                 | 2.36  | 43   | 15257    | 35.627 | ug/l    | Qvalue 95 |

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

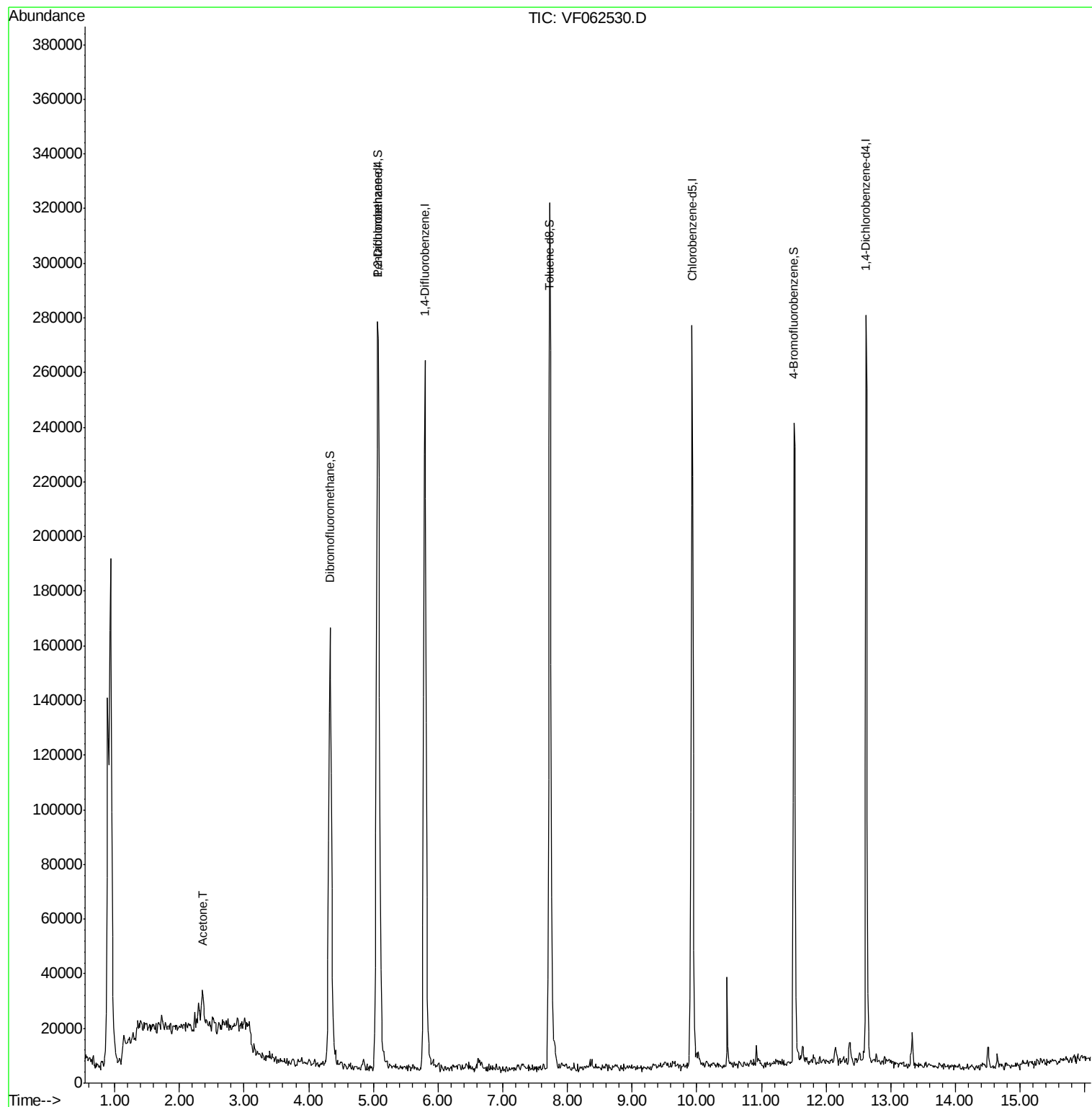
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051219\  
Data File : VF062530.D  
Acq On : 13 May 2019 5:16  
Operator : FY/SY  
Sample : K2734-11RE  
Misc : 4.82g/5mL/MSVOA F/SOIL  
ALS Vial : 41 Sample Multiplier: 1

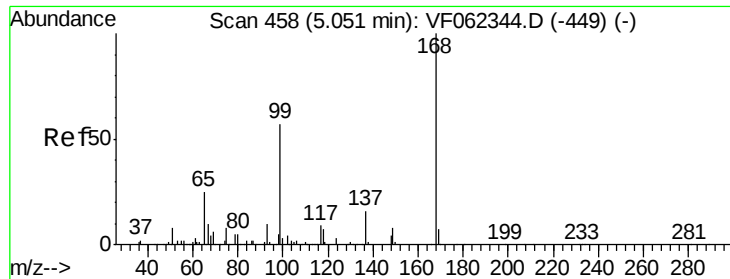
Instrument :  
MSVOA\_F  
ClientSampleId :  
P026-SS013-0002-01RE

Manual Integrations  
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5/13/2019 11:32:44 AM

Quant Time: May 15 01:58:09 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82F050619S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 07 04:34:57 2019  
Response via : Initial Calibration





#1

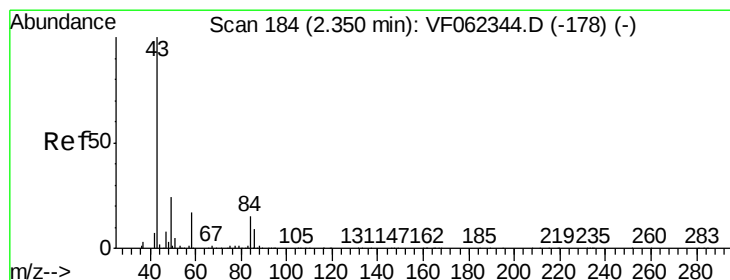
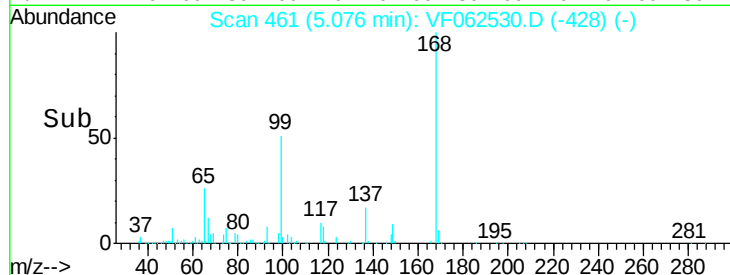
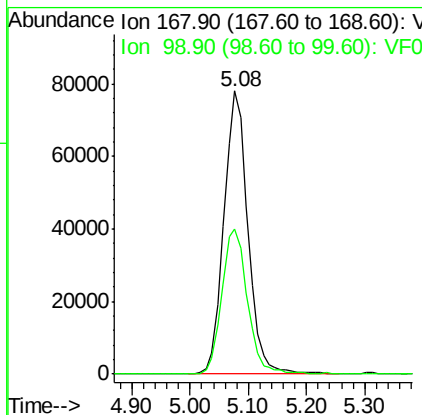
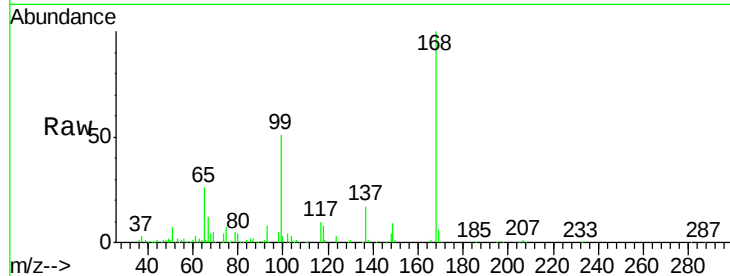
Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.08 min Scan# 461  
 Delta R.T. 0.03 min  
 Lab File: VF062530.D  
 Acq: 13 May 2019 5:16

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 P026-SS013-0002-01RE

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 168     | 100   | 224008 |       |       |
| 99      | 51.2  | 45.9   | 68.9  |       |

Manual Integrations  
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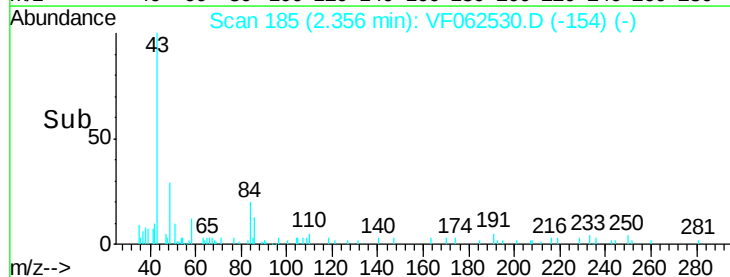
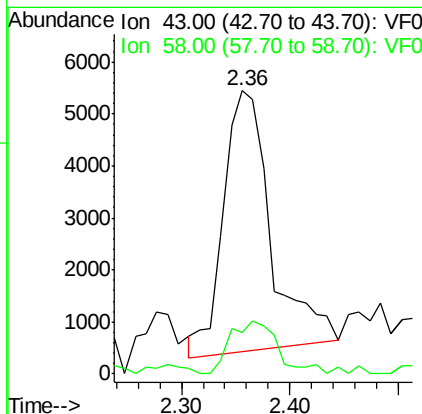
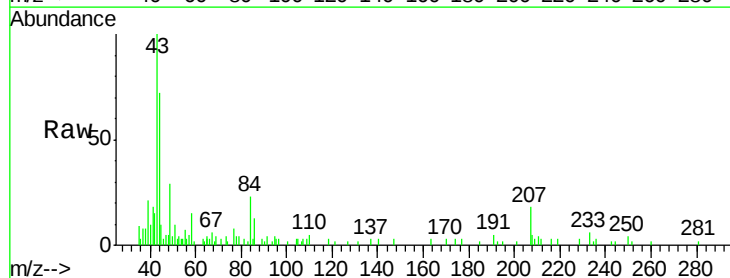
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 5/13/2019 11:32:44 AM

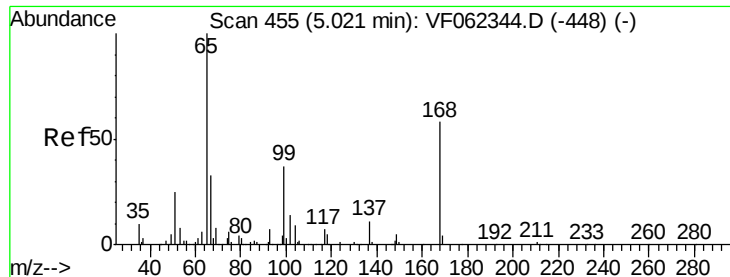


#16

Acetone  
 Concen: 35.627 ug/l  
 RT: 2.36 min Scan# 185  
 Delta R.T. 0.01 min  
 Lab File: VF062530.D  
 Acq: 13 May 2019 5:16

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 43      | 100   | 15257 |       |       |
| 58      | 14.1  | 13.1  | 19.7  |       |





#33

1,2-Dichloroethane-d4

Concen: 55.386 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.04 min

Lab File: VF062530.D

Acq: 13 May 2019 5:16

Instrument :

MSVOA\_F

ClientSampleId :

P026-SS013-0002-01RE

Tot Ion: 65 Resp: 117250

Ion Ratio Lower Upper

65 100

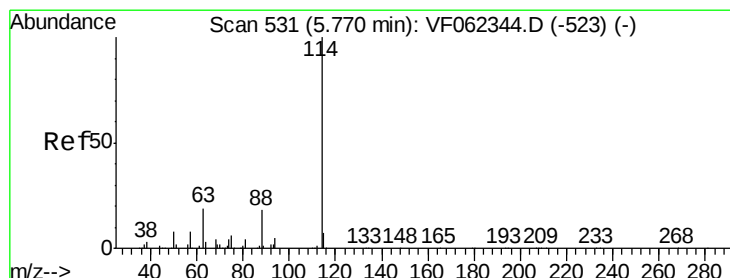
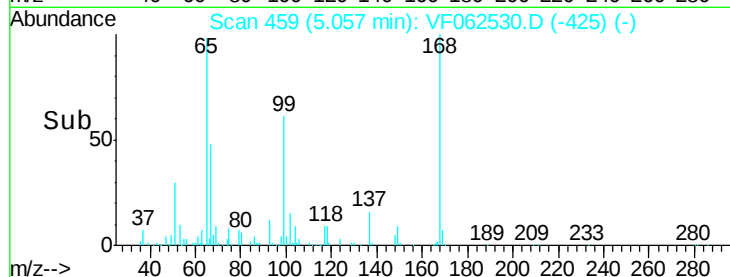
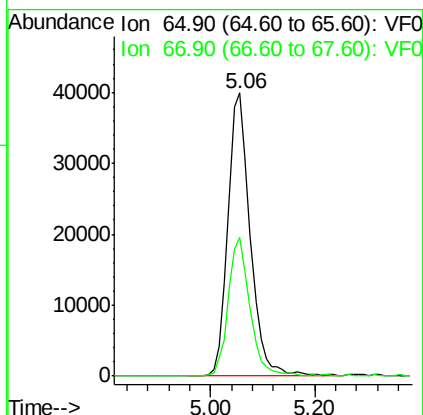
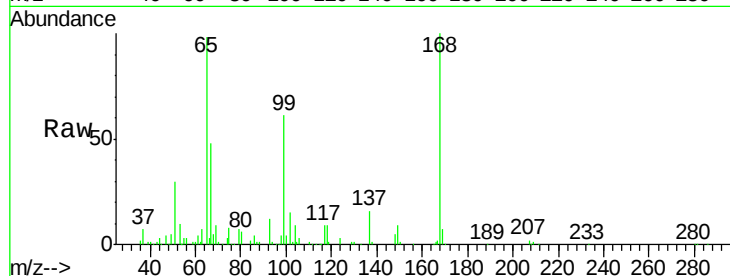
67 47.4 0.0 85.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. 0.03 min

Lab File: VF062530.D

Acq: 13 May 2019 5:16

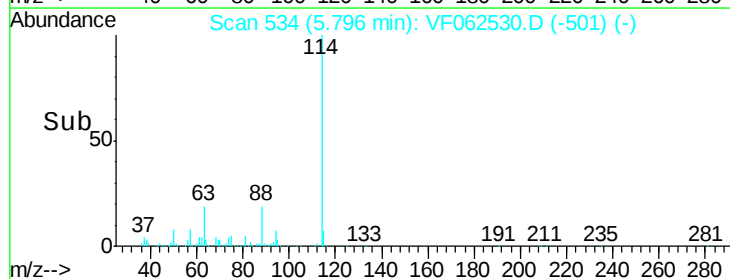
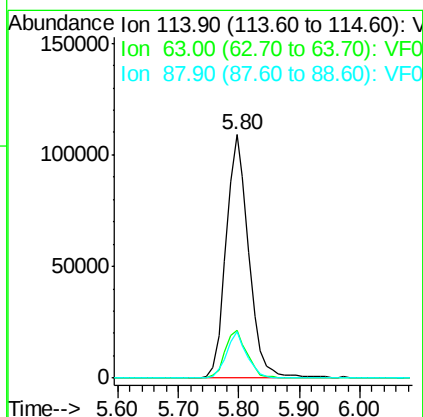
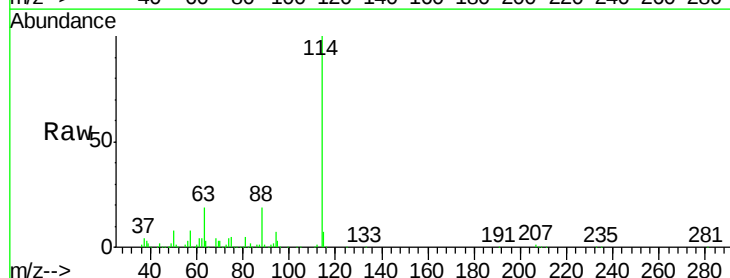
Tgt Ion: 114 Resp: 283584

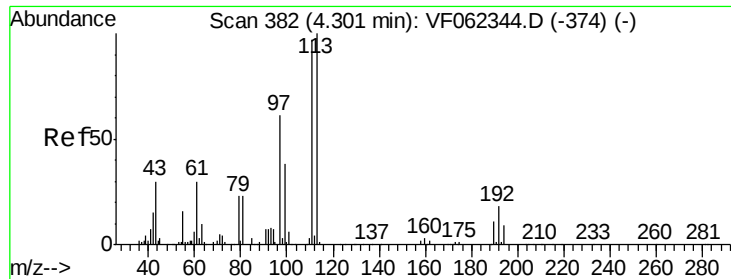
Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.4

88 19.3 0.0 36.4





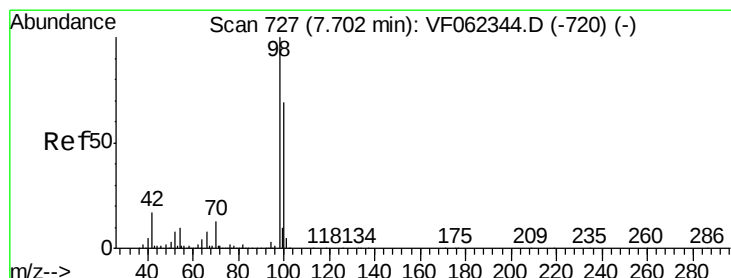
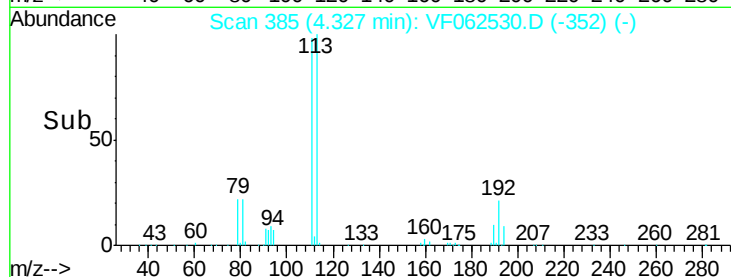
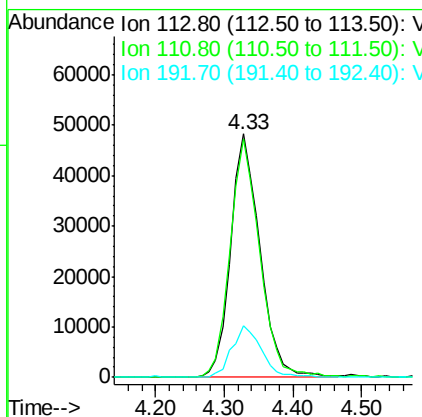
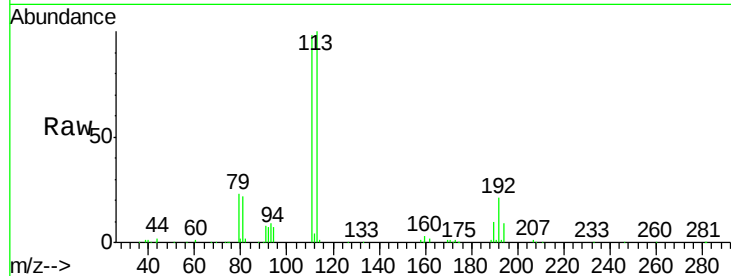
#35  
 Dibromofluoromethane  
 Concen: 62.963 ug/l  
 RT: 4.33 min Scan# 385  
 Delta R.T. 0.03 min  
 Lab File: VF062530.D  
 Acq: 13 May 2019 5:16

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 P026-SS013-0002-01RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 99.4  | 79.4  | 119.0 |
| 192     | 21.6  | 16.0  | 24.0  |

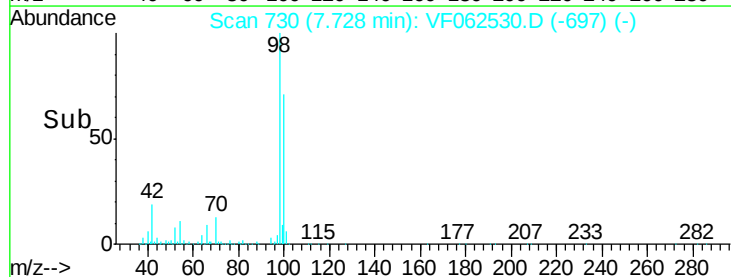
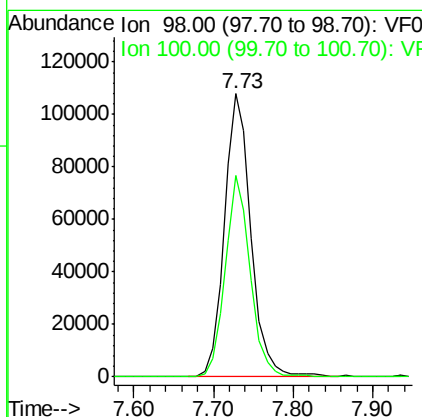
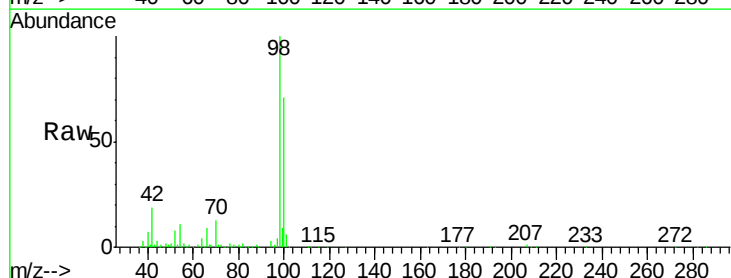
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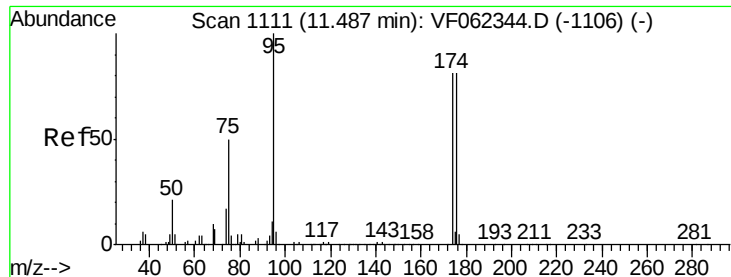
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#50  
 Toluene-d8  
 Concen: 46.069 ug/l  
 RT: 7.73 min Scan# 730  
 Delta R.T. 0.03 min  
 Lab File: VF062530.D  
 Acq: 13 May 2019 5:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 67.4  | 53.3  | 79.9  |





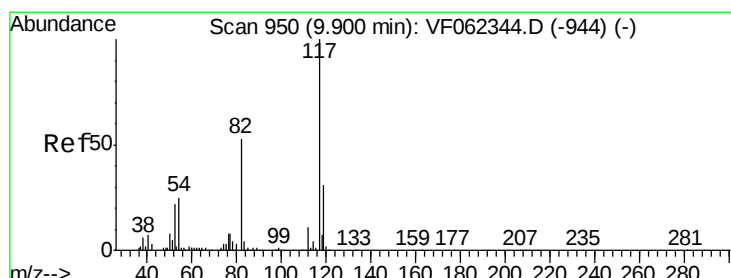
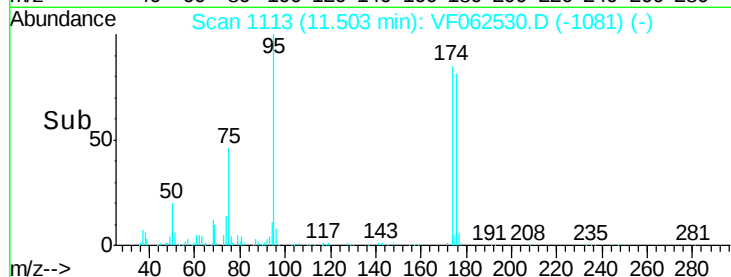
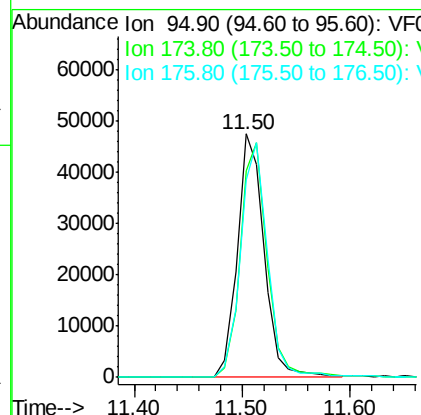
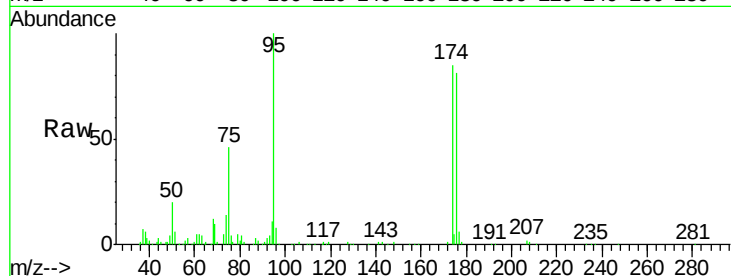
#62  
4-Bromofluorobenzene  
Concen: 33.086 ug/l  
RT: 11.50 min Scan# 1113  
Delta R.T. 0.02 min  
Lab File: VF062530.D  
Acq: 13 May 2019 5:16

Instrument :  
MSVOA\_F  
ClientSampleId :  
P026-SS013-0002-01RE

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 95      | 100   | 81634 |       |       |
| 174     | 98.1  | 0.0   | 191.8 |       |
| 176     | 96.6  | 0.0   | 193.2 |       |

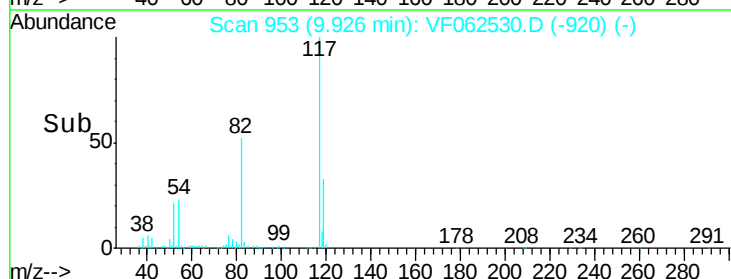
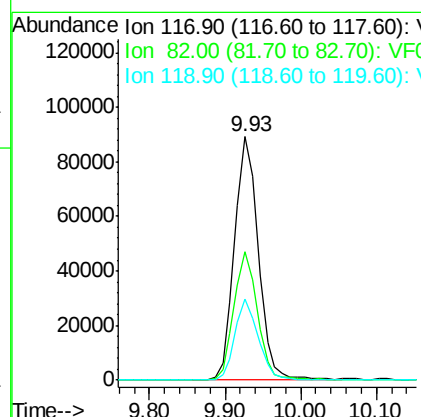
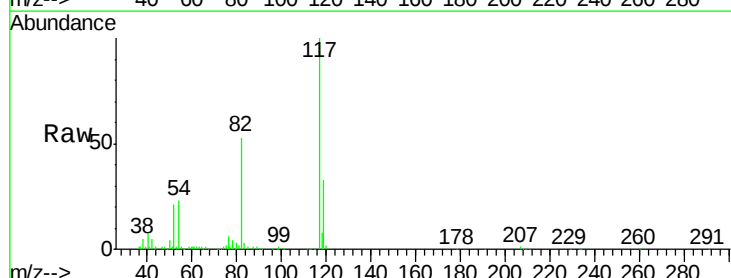
Manual Integrations  
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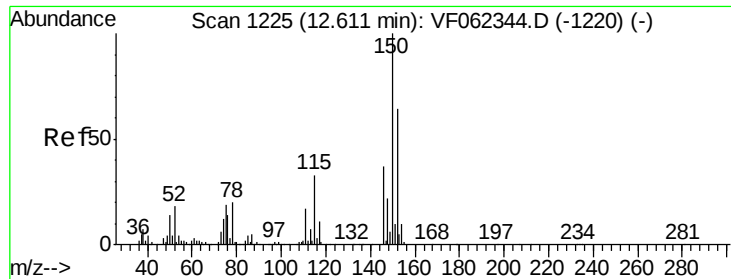
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#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.93 min Scan# 953  
Delta R.T. 0.03 min  
Lab File: VF062530.D  
Acq: 13 May 2019 5:16

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 194892 |       |       |
| 82      | 52.6  | 42.2   | 63.2  |       |
| 119     | 33.2  | 25.0   | 37.4  |       |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.02 min

Lab File: VF062530.D

Acq: 13 May 2019 5:16

Instrument :

MSVOA\_F

ClientSampleId :

P026-SS013-0002-01RE

Tot Ion:152 Resp: 77626

Ion Ratio Lower Upper

152 100

115 54.2 26.4 79.2

150 155.5 0.0 335.0

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5/13/2019 11:32:44 AM

