

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_D\DATA\VD010320\  
 Data File : VD064762.D  
 Acq On : 04 Jan 2020 05:55  
 Operator : VA/SY  
 Sample : K6484-44  
 Misc : 5.48G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 40096-40103

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Quant Time: Jan 06 08:16:11 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D122419S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 24 13:19:06 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.98  | 168  | 465864   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.87  | 114  | 708381   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.65 | 117  | 597250   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 234067   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 224536   | 54.66  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 109.32% |          |
| 35) Dibromofluoromethane    | 7.92  | 113  | 221400   | 50.94  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.88% |          |
| 50) Toluene-d8              | 10.34 | 98   | 824612   | 49.54  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.08%  |          |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 230484   | 43.79  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 87.58%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.16  | 43   | 11049m   | 15.457 | ug/l    | Qvalue   |

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

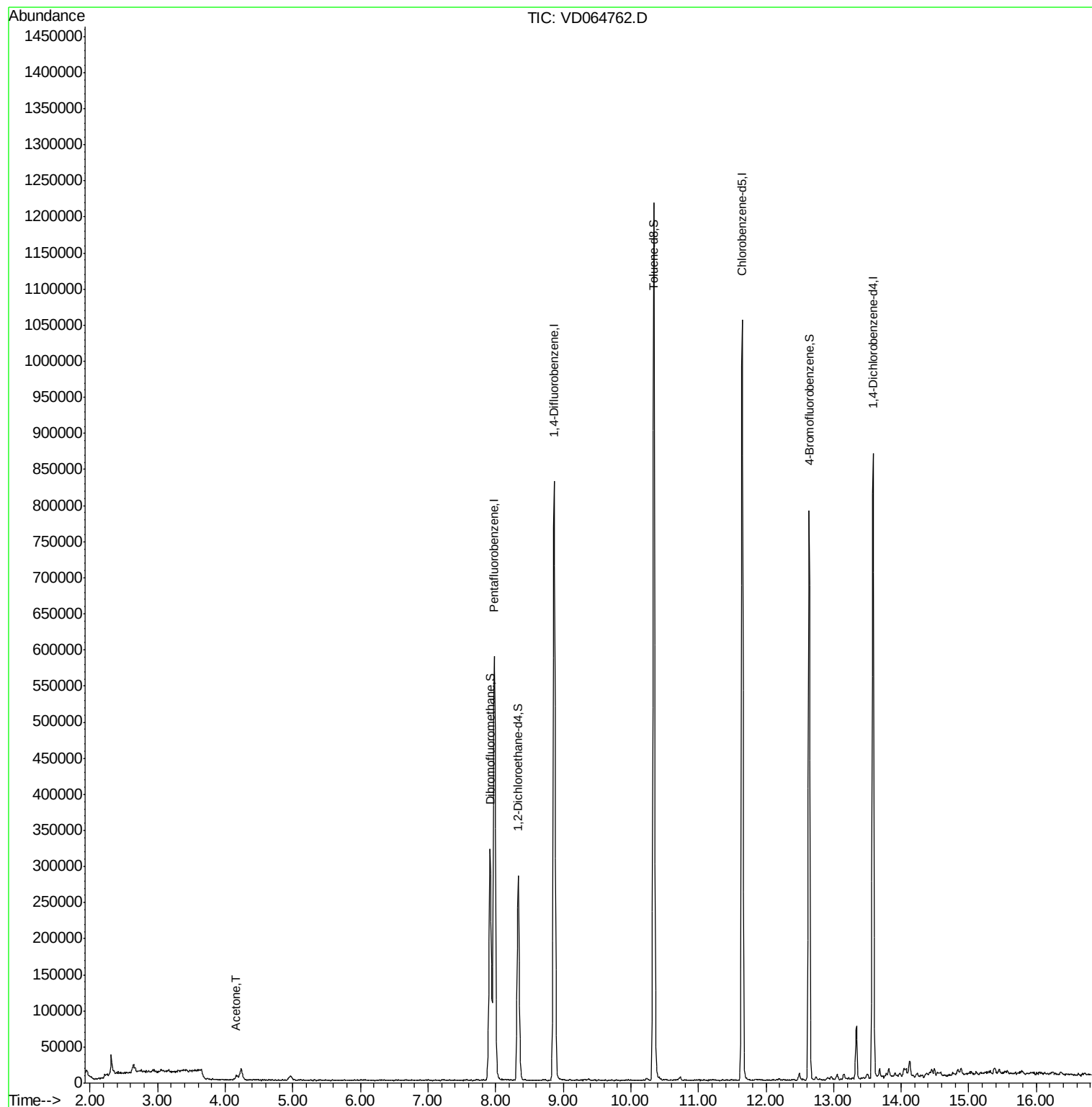
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_D\DATA\VD010320\  
Data File : VD064762.D  
Acq On : 04 Jan 2020 05:55  
Operator : VA/SY  
Sample : K6484-44  
Misc : 5.48G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 38 Sample Multiplier: 1

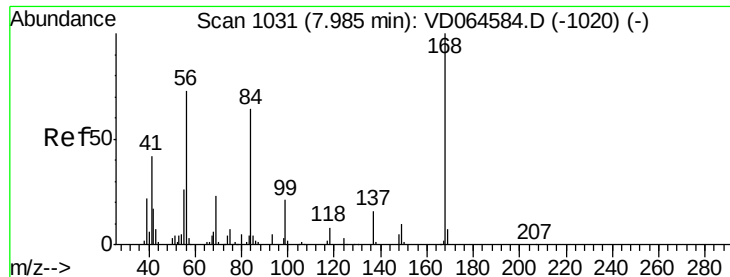
Instrument :  
MSVOA\_D  
ClientSampleId :  
40096-40103

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Quant Time: Jan 06 08:16:11 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D122419S.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 24 13:19:06 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064762.D

Acq: 04 Jan 2020 05:55

Instrument :

MSVOA\_D

ClientSampleId :

40096-40103

Tgt Ion:168 Resp: 465864

Ion Ratio Lower Upper

168 100

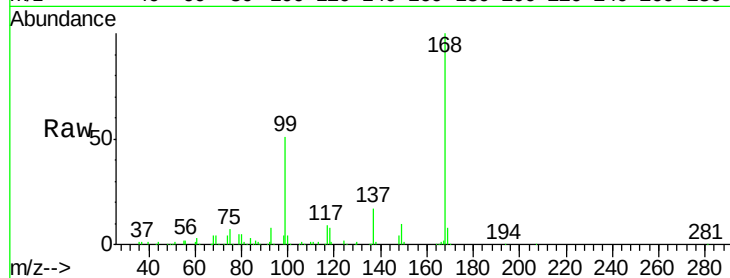
99 50.7 41.8 62.6

Manual Integrations

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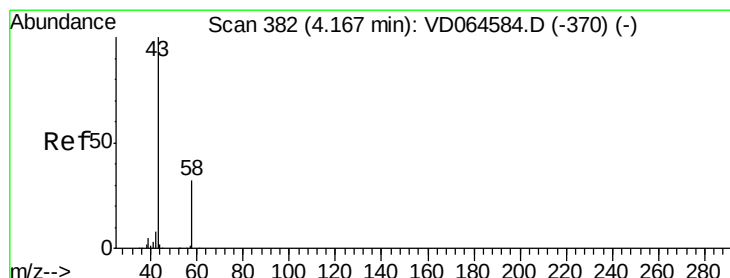
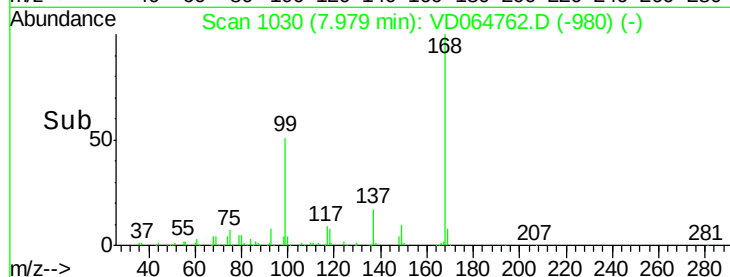
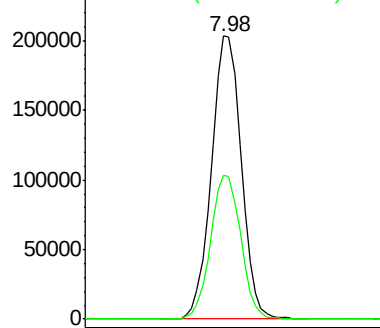
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 15.457 ug/l m

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064762.D

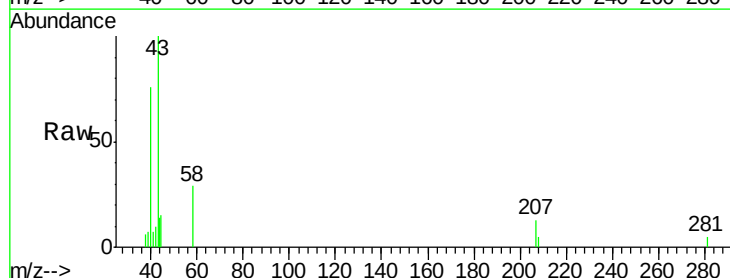
Acq: 04 Jan 2020 05:55

Tgt Ion: 43 Resp: 11049

Ion Ratio Lower Upper

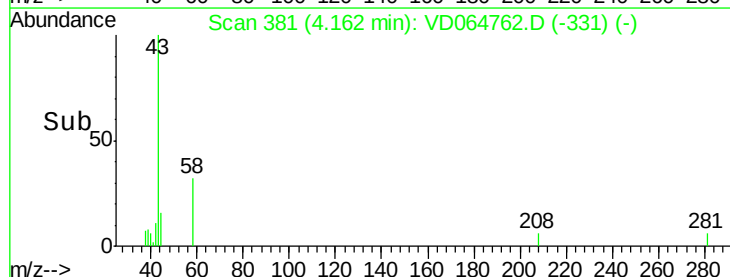
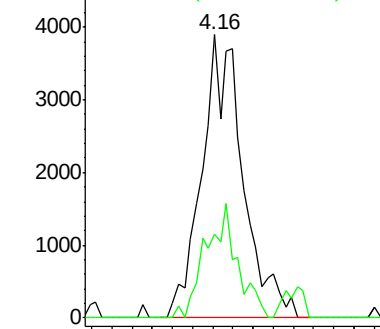
43 100

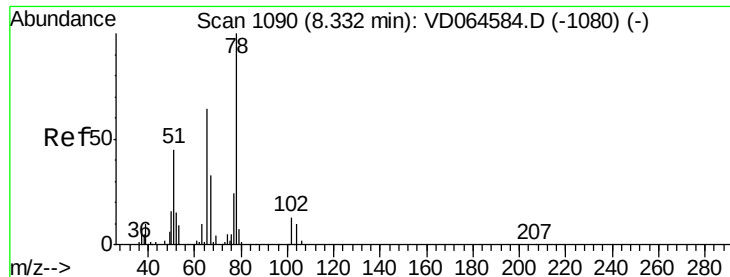
58 29.4 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





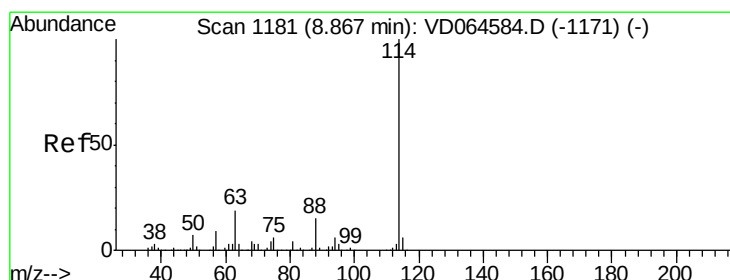
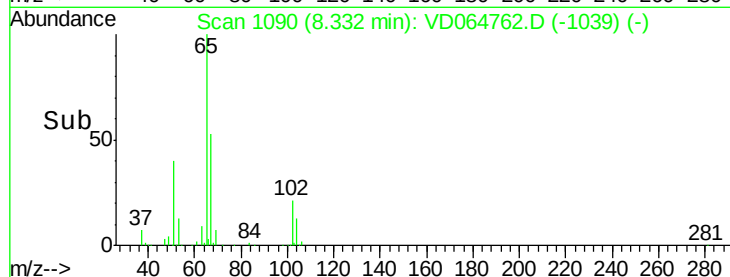
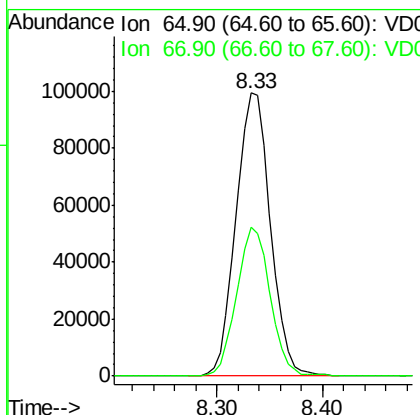
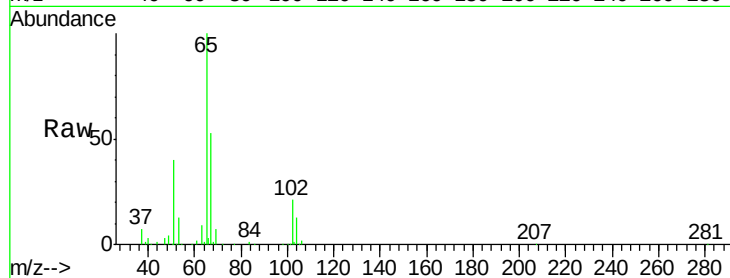
#33  
 1,2-Dichloroethane-d4  
 Concen: 54.659 ug/l  
 RT: 8.33 min Scan# 1090  
 Delta R.T. 0.00 min  
 Lab File: VD064762.D  
 Acq: 04 Jan 2020 05:55

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 40096-40103

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 224536 |       |       |
| 67      | 51.2  | 0.0    | 106.2 |       |

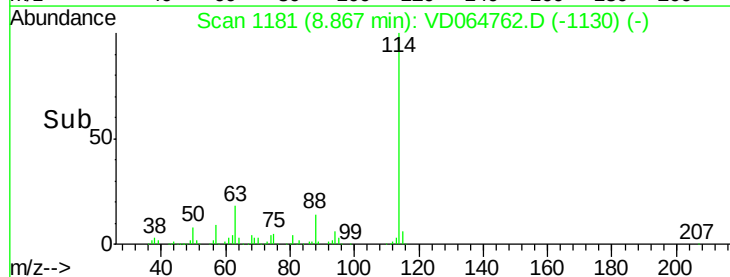
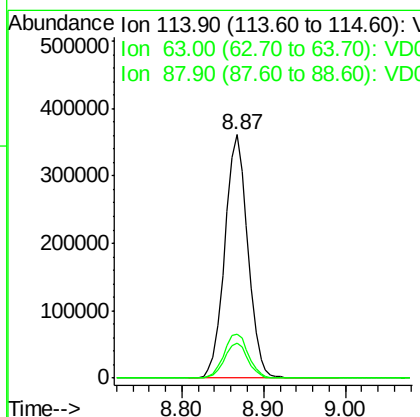
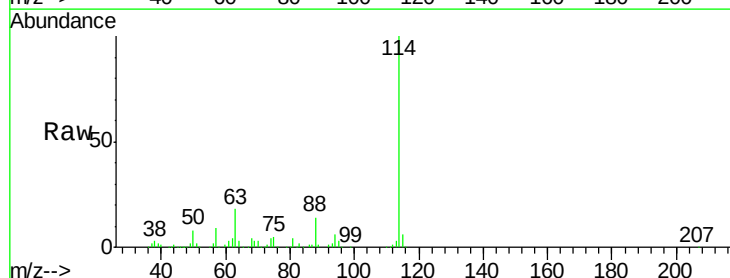
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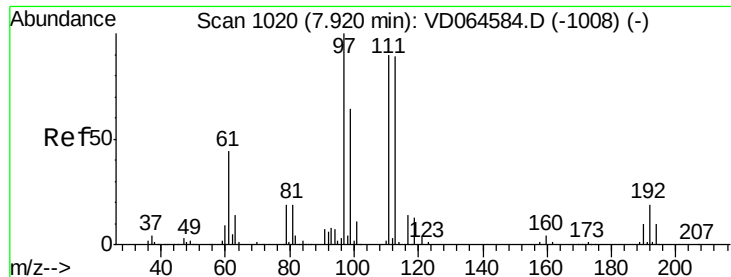
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. 0.00 min  
 Lab File: VD064762.D  
 Acq: 04 Jan 2020 05:55

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 708381 |       |       |
| 63      | 18.0  | 0.0    | 38.0  |       |
| 88      | 14.4  | 0.0    | 29.2  |       |





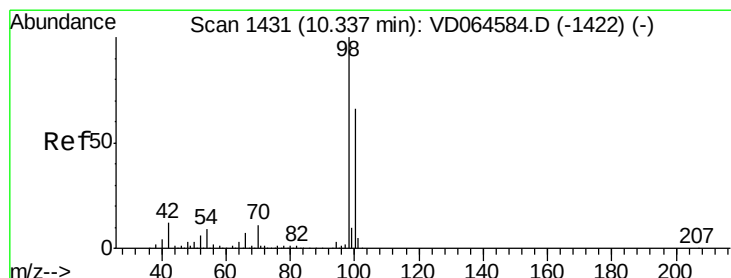
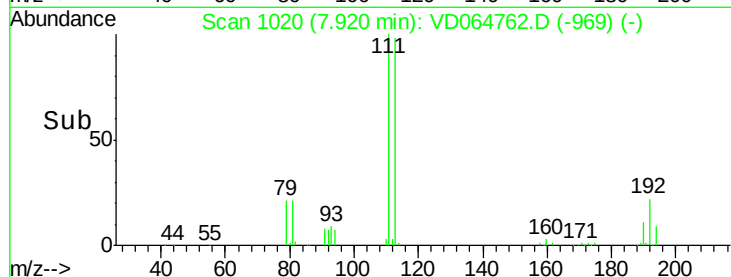
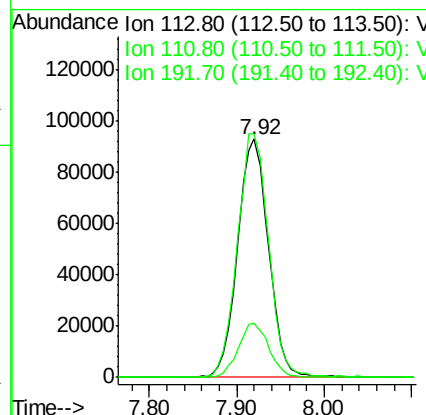
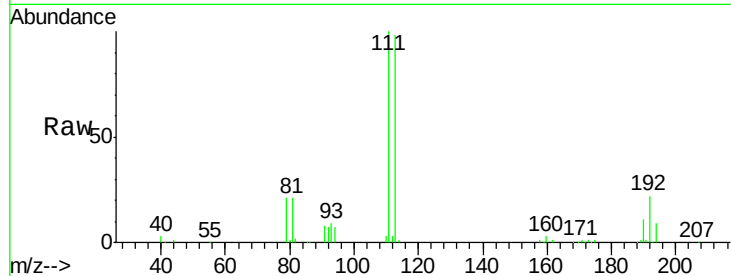
#35  
 Dibromofluoromethane  
 Concen: 50.943 ug/l  
 RT: 7.92 min Scan# 1020  
 Delta R.T. 0.00 min  
 Lab File: VD064762.D  
 Acq: 04 Jan 2020 05:55

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 40096-40103

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 221400 |       |       |
| 111     | 103.5 | 80.6   | 121.0 |       |
| 192     | 22.3  | 17.9   | 26.9  |       |

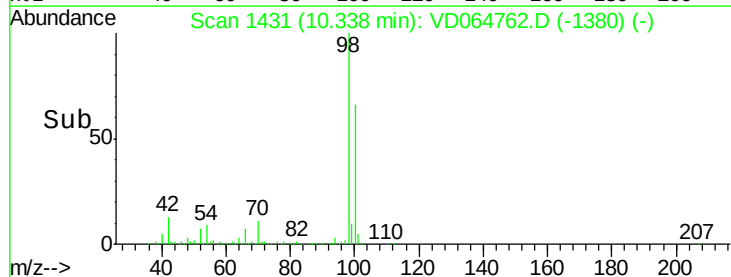
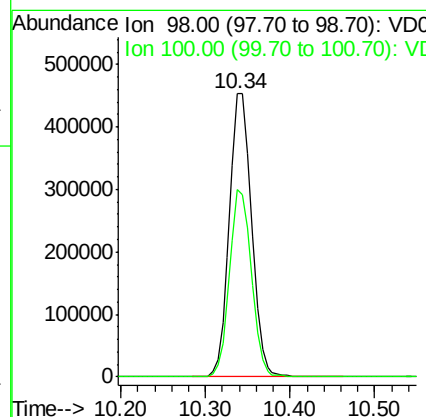
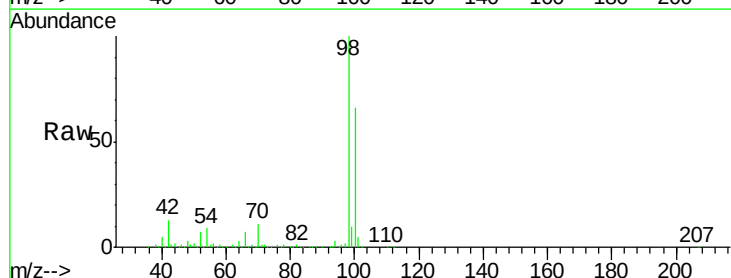
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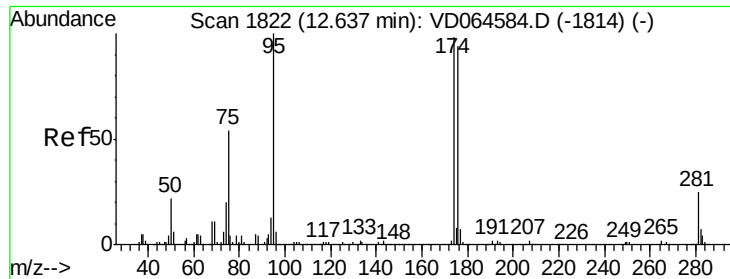
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#50  
 Toluene-d8  
 Concen: 49.542 ug/l  
 RT: 10.34 min Scan# 1431  
 Delta R.T. 0.00 min  
 Lab File: VD064762.D  
 Acq: 04 Jan 2020 05:55

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 98      | 100   | 824612 |       |       |
| 100     | 65.1  | 51.7   | 77.5  |       |





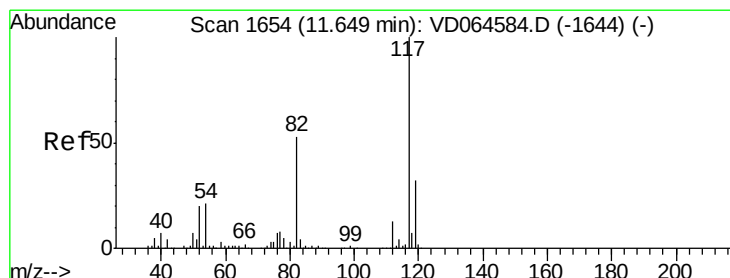
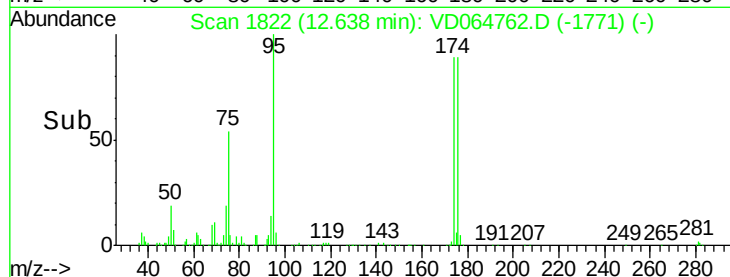
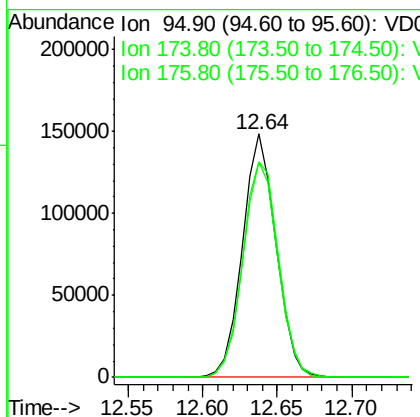
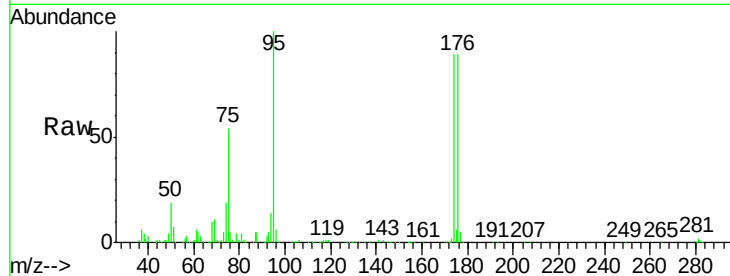
#62  
4-Bromofluorobenzene  
Concen: 43.791 ug/l  
RT: 12.64 min Scan# 1822  
Delta R.T. 0.00 min  
Lab File: VD064762.D  
Acq: 04 Jan 2020 05:55

Instrument :  
MSVOA\_D  
ClientSampleId :  
40096-40103

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 230484 |       |       |
| 174     | 95.0  | 0.0    | 193.2 |       |
| 176     | 91.4  | 0.0    | 184.2 |       |

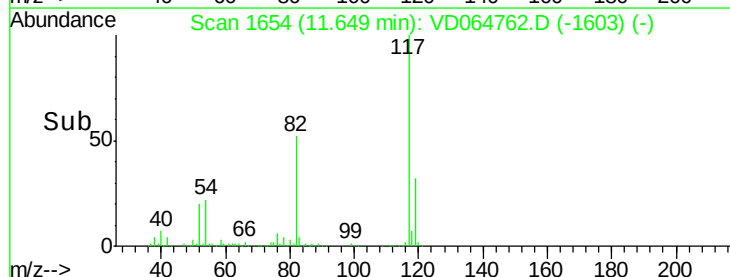
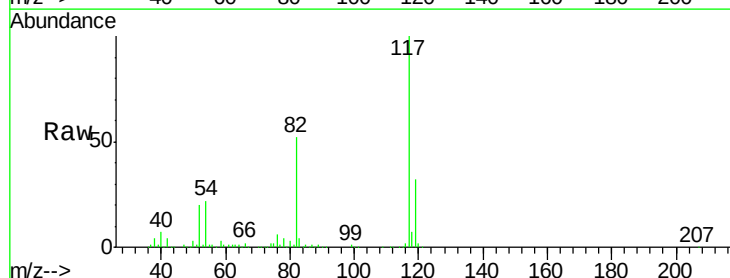
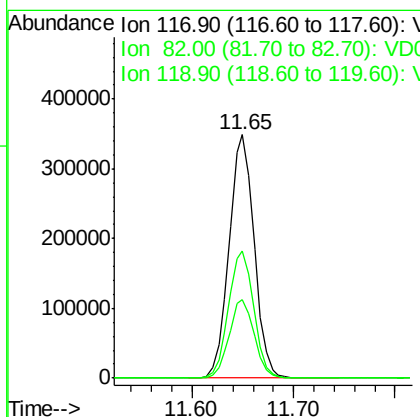
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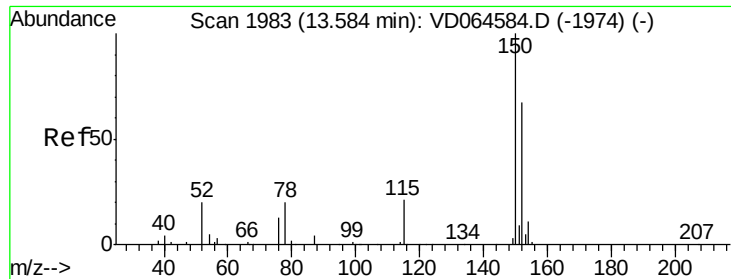
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#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VD064762.D  
Acq: 04 Jan 2020 05:55

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 597250 |       |       |
| 82      | 52.3  | 42.2   | 63.4  |       |
| 119     | 32.3  | 26.0   | 39.0  |       |





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.58 min Scan# 1983  
 Delta R.T. 0.00 min  
 Lab File: VD064762.D  
 Acq: 04 Jan 2020 05:55

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 40096-40103

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 152     | 100   | 234067 |       |       |
| 115     | 54.8  | 27.8   | 83.4  |       |
| 150     | 154.5 | 0.0    | 351.4 |       |

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