

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091120\  
 Data File : VD066660.D  
 Acq On : 11 Sep 2020 20:36  
 Operator : VA/SY  
 Sample : L3981-11  
 Misc : 11.80G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B20-4-6

Manual Integrations  
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 9/14/2020 12:07:03 PM

Quant Time: Sep 12 02:10:36 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D090320S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 04 01:57:04 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 7.98  | 168  | 397914   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.86  | 114  | 705891   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.64 | 117  | 681361   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 281192   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.33  | 65   | 251839   | 52.31   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 104.62% |          |
| 35) Dibromofluoromethane    | 7.91  | 113  | 245377   | 51.53   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 103.06% |          |
| 50) Toluene-d8              | 10.34 | 98   | 887343   | 52.14   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 104.28% |          |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 298953   | 52.97   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 105.94% |          |
| Target Compounds            |       |      |          |         |         |          |
| 27) cis-1,2-Dichloroethene  | 7.21  | 96   | 5172m    | 1.010   | ug/l    |          |
| 44) Trichloroethene         | 9.11  | 130  | 9364     | 1.774   | ug/l    | 92       |
| 64) Tetrachloroethene       | 10.87 | 164  | 773902   | 168.693 | ug/l    | 93       |

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

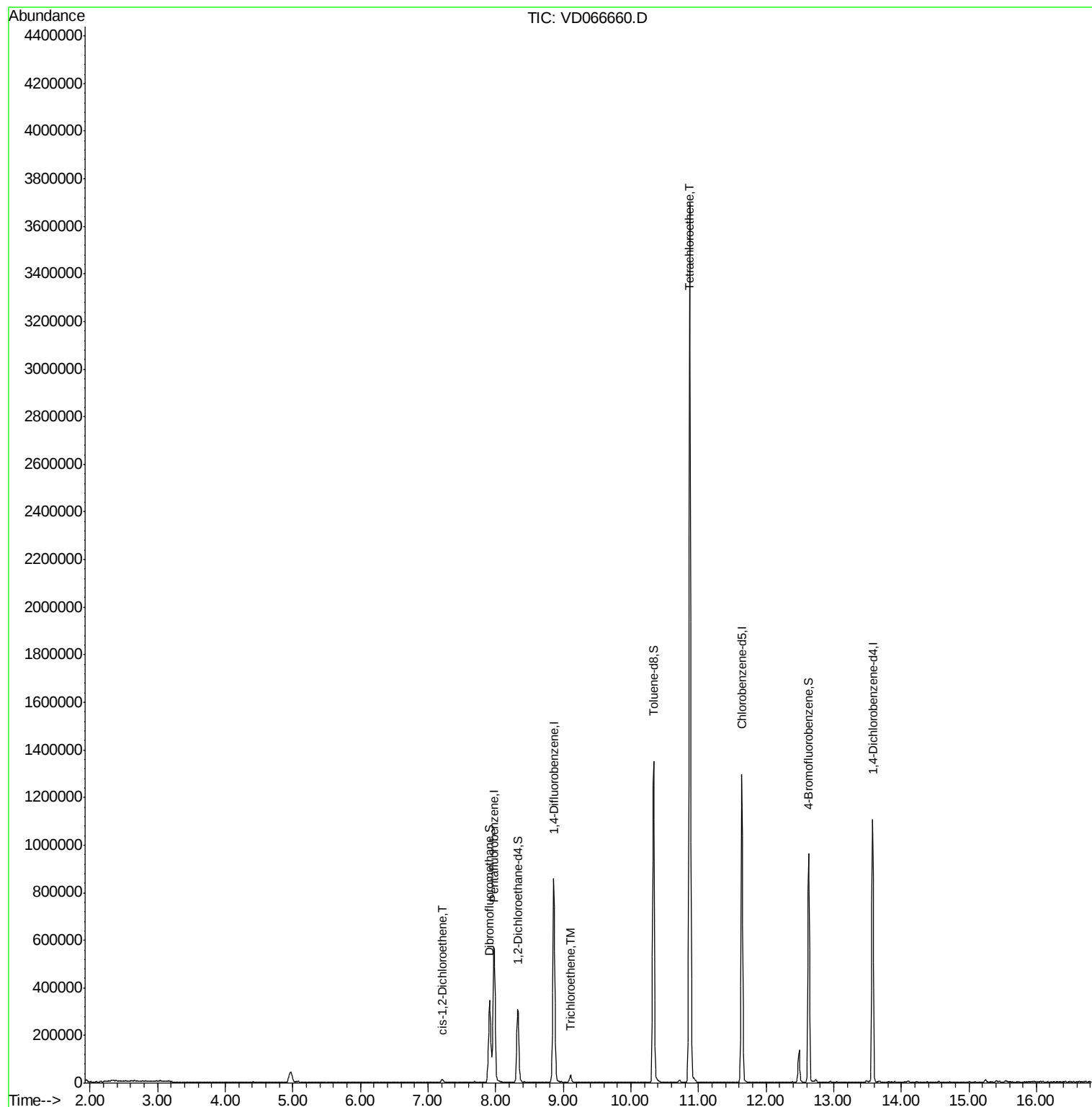
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091120\  
Data File : VD066660.D  
Acq On : 11 Sep 2020 20:36  
Operator : VA/SY  
Sample : L3981-11  
Misc : 11.80G/5.00ml/MSVOA D/SOIL  
ALS Vial : 20 Sample Multiplier: 1

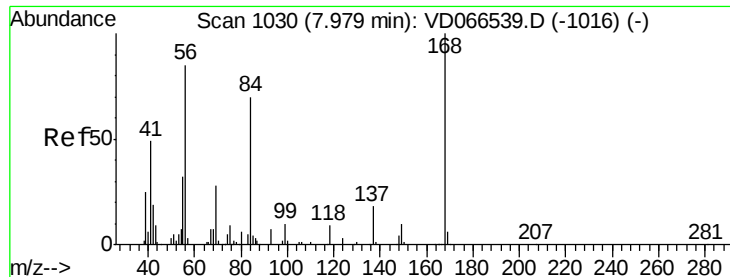
Instrument :  
MSVOA\_D  
ClientSampleId :  
B20-4-6

Manual Integrations  
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Quant Time: Sep 12 02:10:36 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D090320S.M  
Quant Title : SW846 8260  
QLast Update : Fri Sep 04 01:57:04 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066660.D

Acq: 11 Sep 2020 20:36

Instrument :

MSVOA\_D

ClientSampleId :

B20-4-6

Tot Ion:168 Resp: 397914

Ion Ratio Lower Upper

168 100

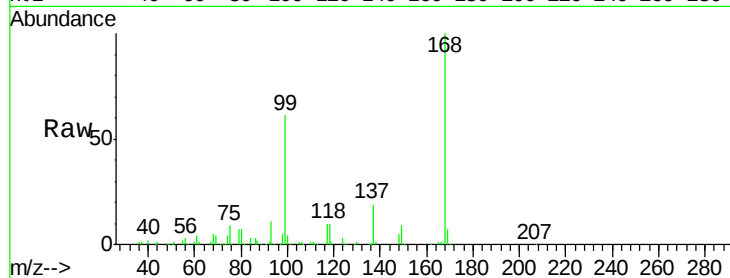
99 60.5 50.5 75.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

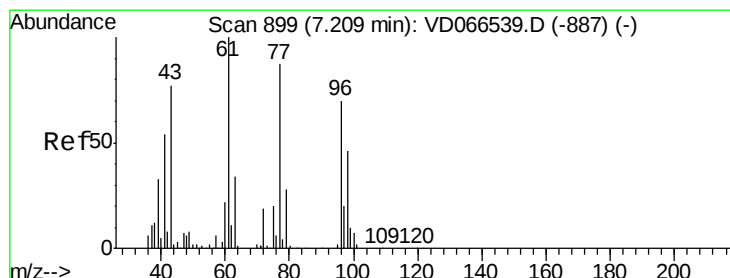
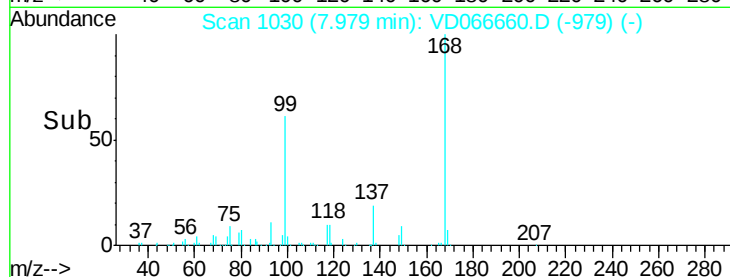
150000

100000

50000

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 1.010 ug/l m

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066660.D

Acq: 11 Sep 2020 20:36

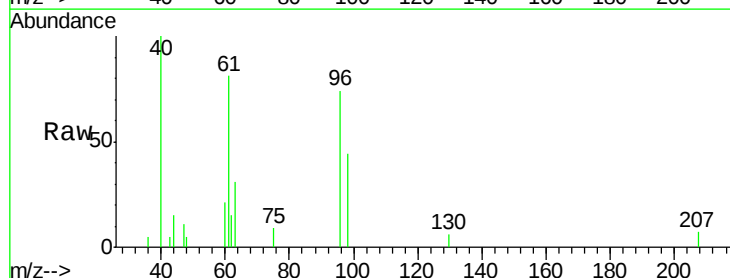
Tgt Ion: 96 Resp: 5172

Ion Ratio Lower Upper

96 100

61 70.3 0.0 301.0

98 66.5 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

7.21

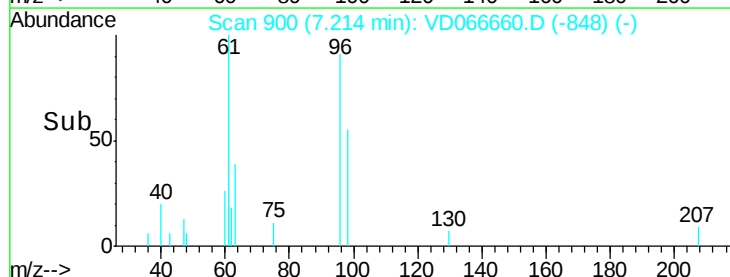
3000

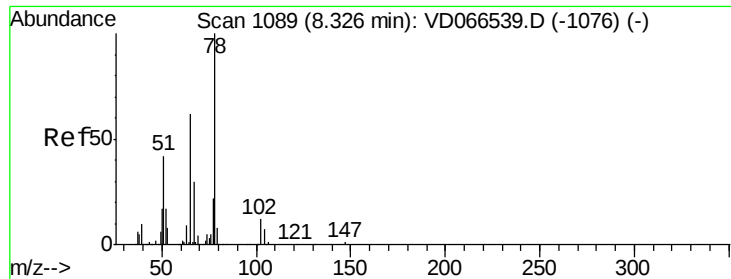
2000

1000

0

Time-->





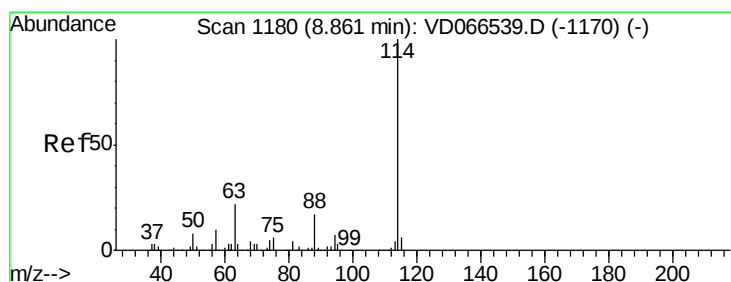
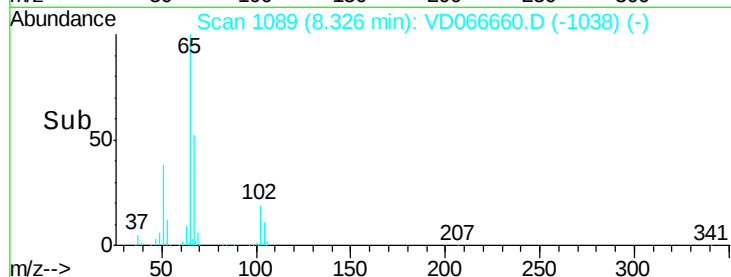
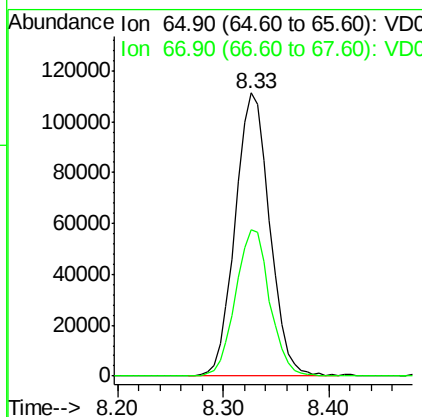
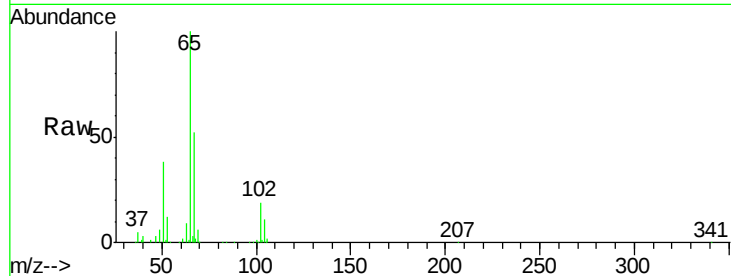
#33  
 1,2-Dichloroethane-d4  
 Concen: 52.310 ug/l  
 RT: 8.33 min Scan# 1089  
 Delta R.T. -0.00 min  
 Lab File: VD066660.D  
 Acq: 11 Sep 2020 20:36

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 B20-4-6

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 65      | 100   |      |       |       |
| 67      | 51.4  | 0.0  | 102.8 |       |

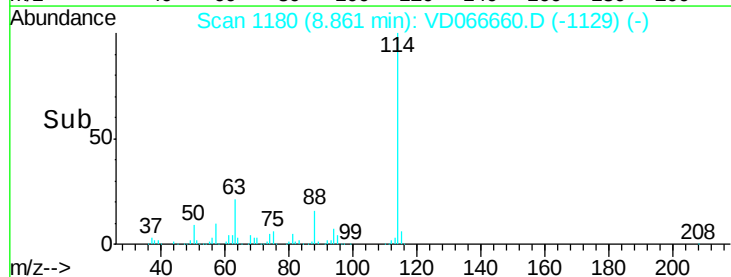
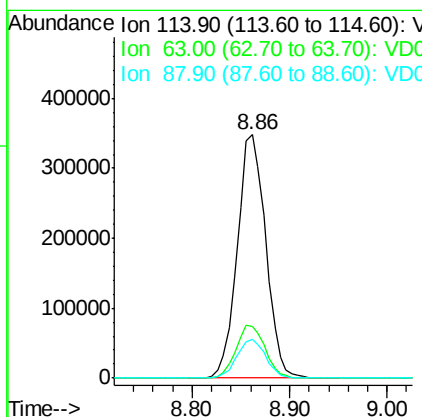
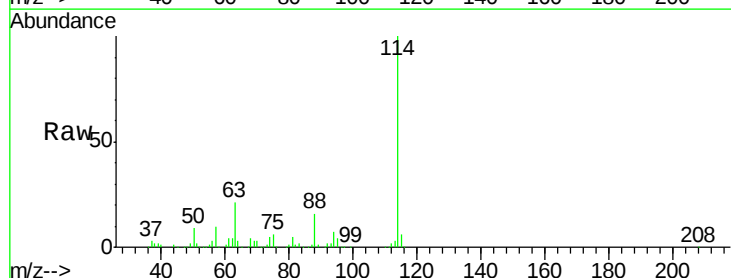
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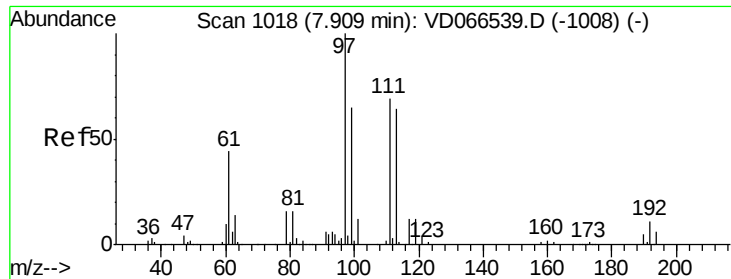
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.86 min Scan# 1180  
 Delta R.T. -0.00 min  
 Lab File: VD066660.D  
 Acq: 11 Sep 2020 20:36

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 114     | 100   |      |       |       |
| 63      | 21.4  | 0.0  | 43.2  |       |
| 88      | 15.9  | 0.0  | 33.2  |       |





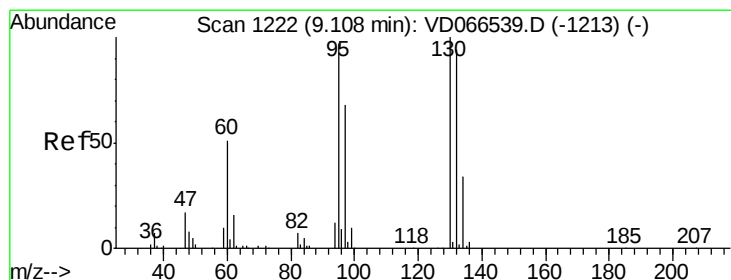
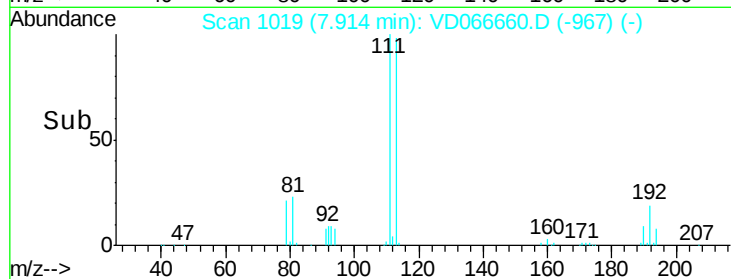
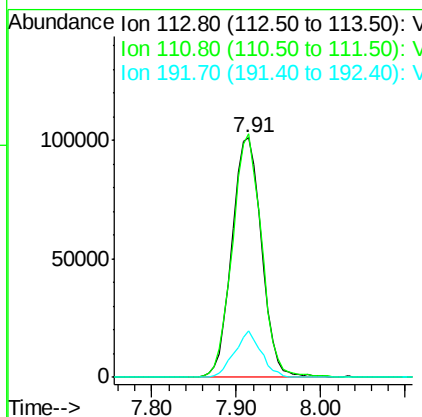
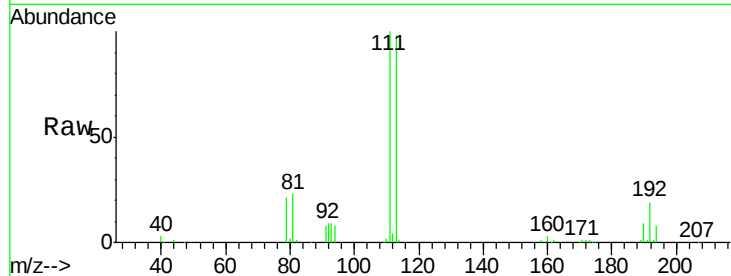
#35  
Dibromofluoromethane  
Concen: 51.528 ug/l  
RT: 7.91 min Scan# 1019  
Delta R.T. 0.01 min  
Lab File: VD066660.D  
Acq: 11 Sep 2020 20:36

Instrument :  
MSVOA\_D  
ClientSampleId :  
B20-4-6

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 245377 |       |       |
| 111     | 100.0 | 83.2   | 124.8 |       |
| 192     | 17.4  | 13.7   | 20.5  |       |

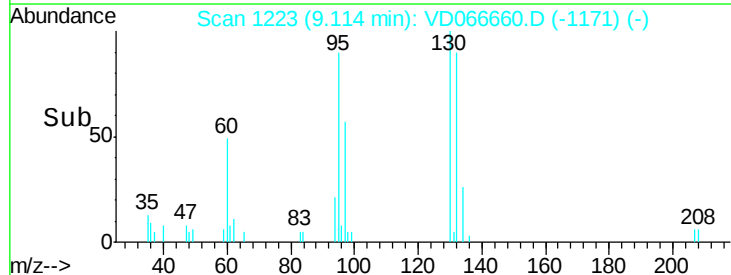
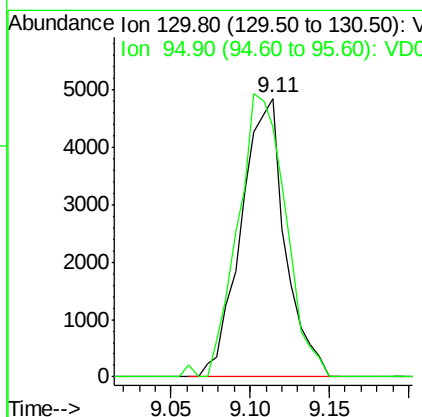
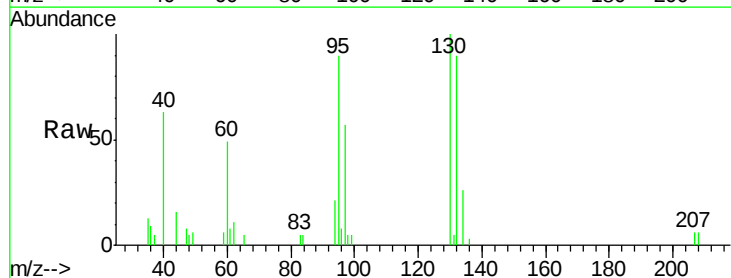
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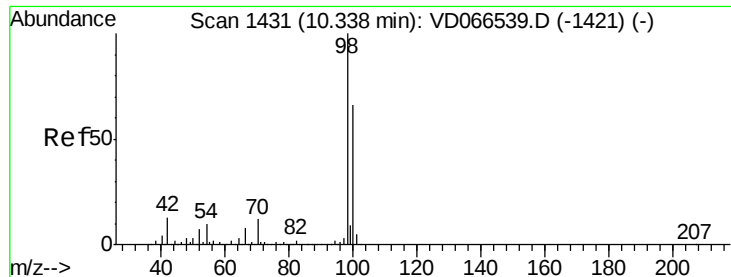
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#44  
Trichloroethene  
Concen: 1.774 ug/l  
RT: 9.11 min Scan# 1223  
Delta R.T. 0.01 min  
Lab File: VD066660.D  
Acq: 11 Sep 2020 20:36

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 130     | 100   | 9364 |       |       |
| 95      | 89.6  | 0.0  | 194.4 |       |





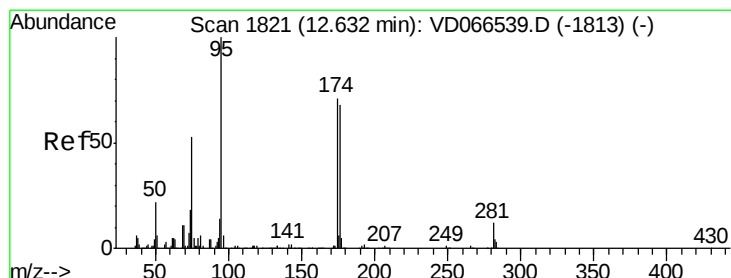
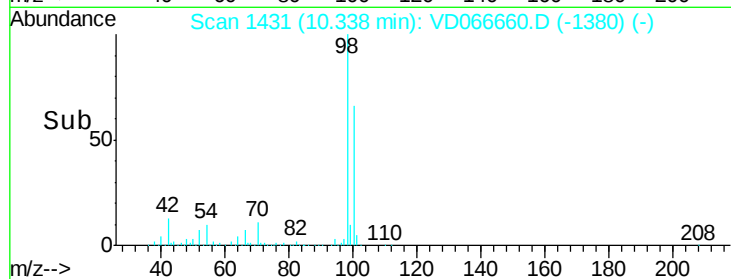
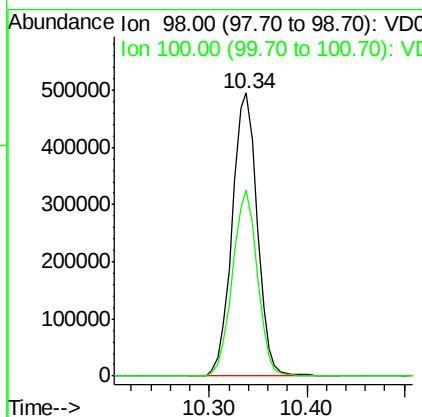
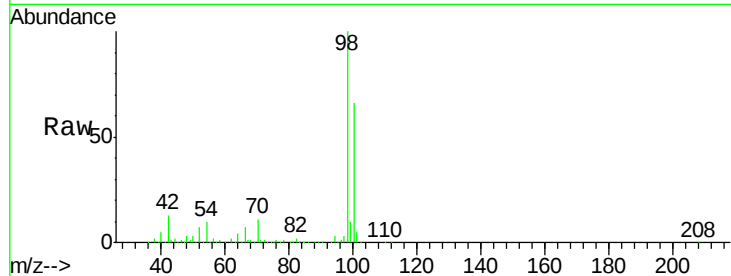
#50  
Toluene-d8  
Concen: 52.135 ug/l  
RT: 10.34 min Scan# 1431  
Delta R.T. -0.00 min  
Lab File: VD066660.D  
Acq: 11 Sep 2020 20:36

Instrument :  
MSVOA\_D  
ClientSampled :  
B20-4-6

Tot Ion: 98 Resp: 887343  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.9 79.3

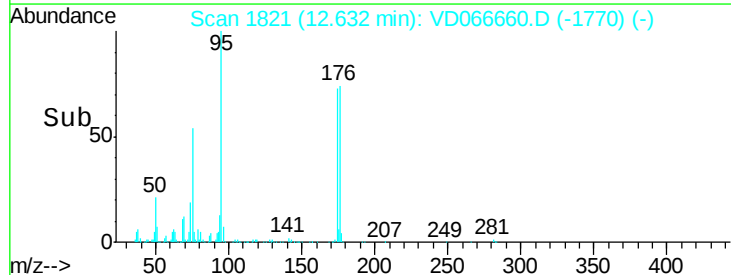
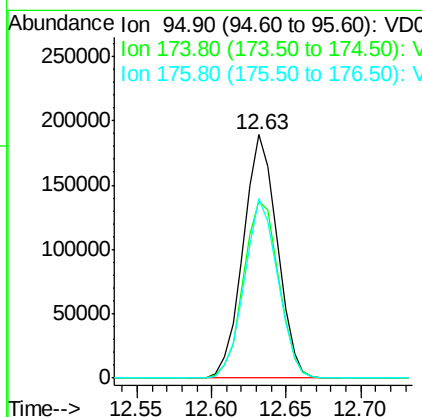
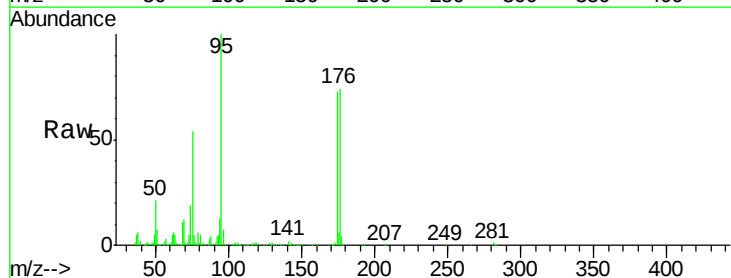
Manual Integrations  
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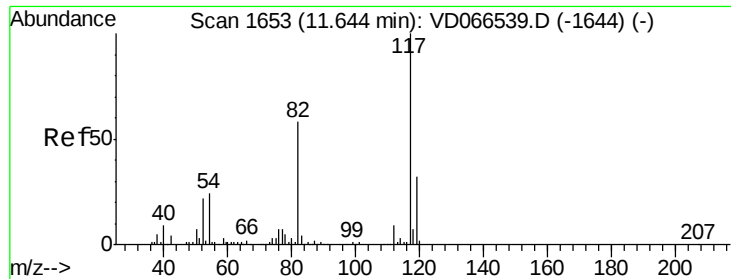
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#62  
4-Bromofluorobenzene  
Concen: 52.971 ug/l  
RT: 12.63 min Scan# 1821  
Delta R.T. -0.00 min  
Lab File: VD066660.D  
Acq: 11 Sep 2020 20:36

Tgt Ion: 95 Resp: 298953  
Ion Ratio Lower Upper  
95 100  
174 75.4 0.0 155.8  
176 72.4 0.0 148.6





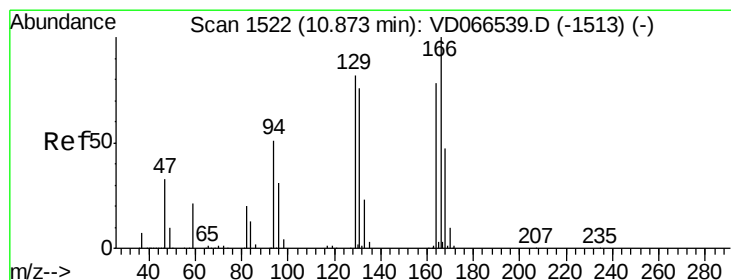
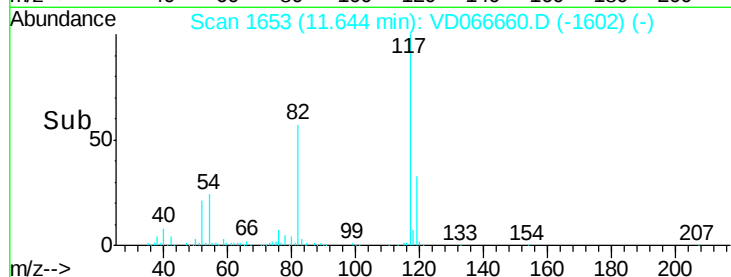
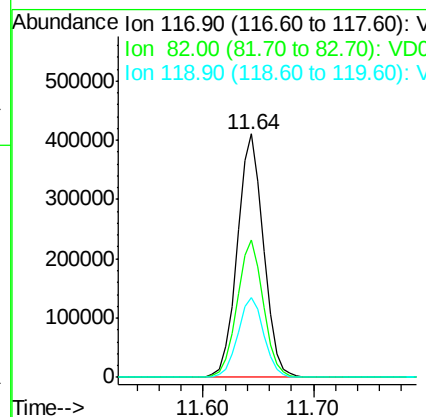
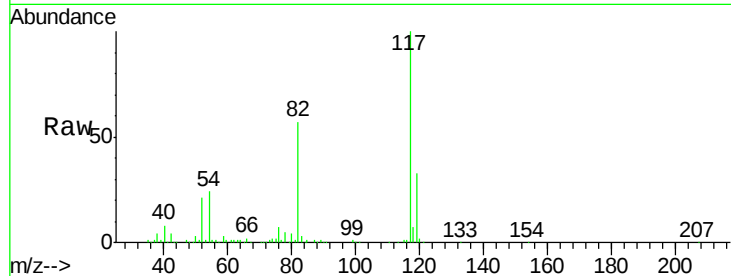
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. -0.00 min  
Lab File: VD066660.D  
Acq: 11 Sep 2020 20:36

Instrument :  
MSVOA\_D  
ClientSampled :  
B20-4-6

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 681361 |       |       |
| 82      | 56.6  | 46.2   | 69.2  |       |
| 119     | 32.8  | 25.8   | 38.8  |       |

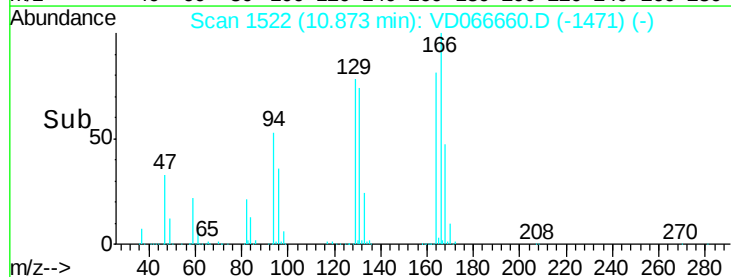
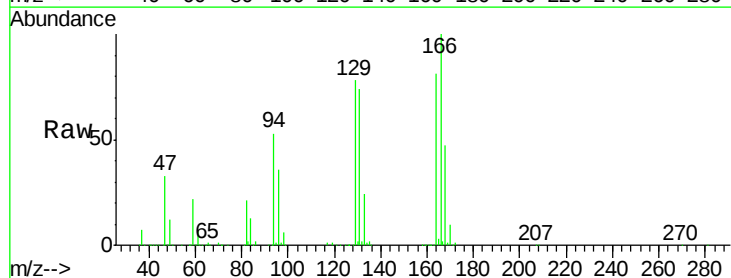
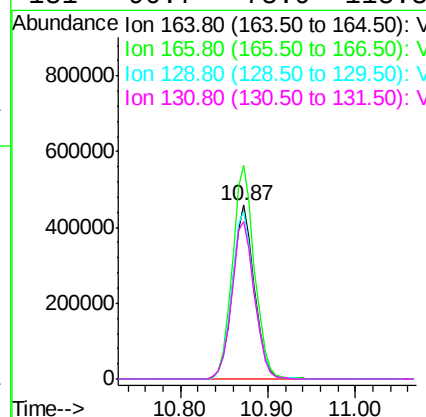
Manual Integrations  
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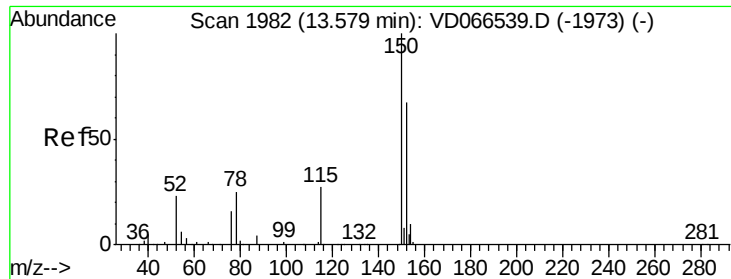
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#64  
Tetrachloroethene  
Concen: 168.693 ug/l  
RT: 10.87 min Scan# 1522  
Delta R.T. -0.00 min  
Lab File: VD066660.D  
Acq: 11 Sep 2020 20:36

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 773902 |       |       |
| 166     | 123.0 | 103.2  | 154.8 |       |
| 129     | 96.4  | 84.5   | 126.7 |       |
| 131     | 90.7  | 78.9   | 118.3 |       |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1981

Delta R.T. -0.01 min

Lab File: VD066660.D

Acq: 11 Sep 2020 20:36

Instrument :

MSVOA\_D

ClientSampleId :

B20-4-6

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 281192 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 60.4  | 30.4  | 91.2   |
| 150       | 154.1 | 0.0   | 345.8  |

Manual Integrations  
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