

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012420\  
 Data File : VD064940.D  
 Acq On : 24 Jan 2020 13:48  
 Operator : VA/SY  
 Sample : L1243-01  
 Misc : 6.20G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 CTY-SB-06-1.5-2.5

Quant Time: Jan 25 03:01:35 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D012320S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 23 13:45:59 2020  
 Response via : Initial Calibration

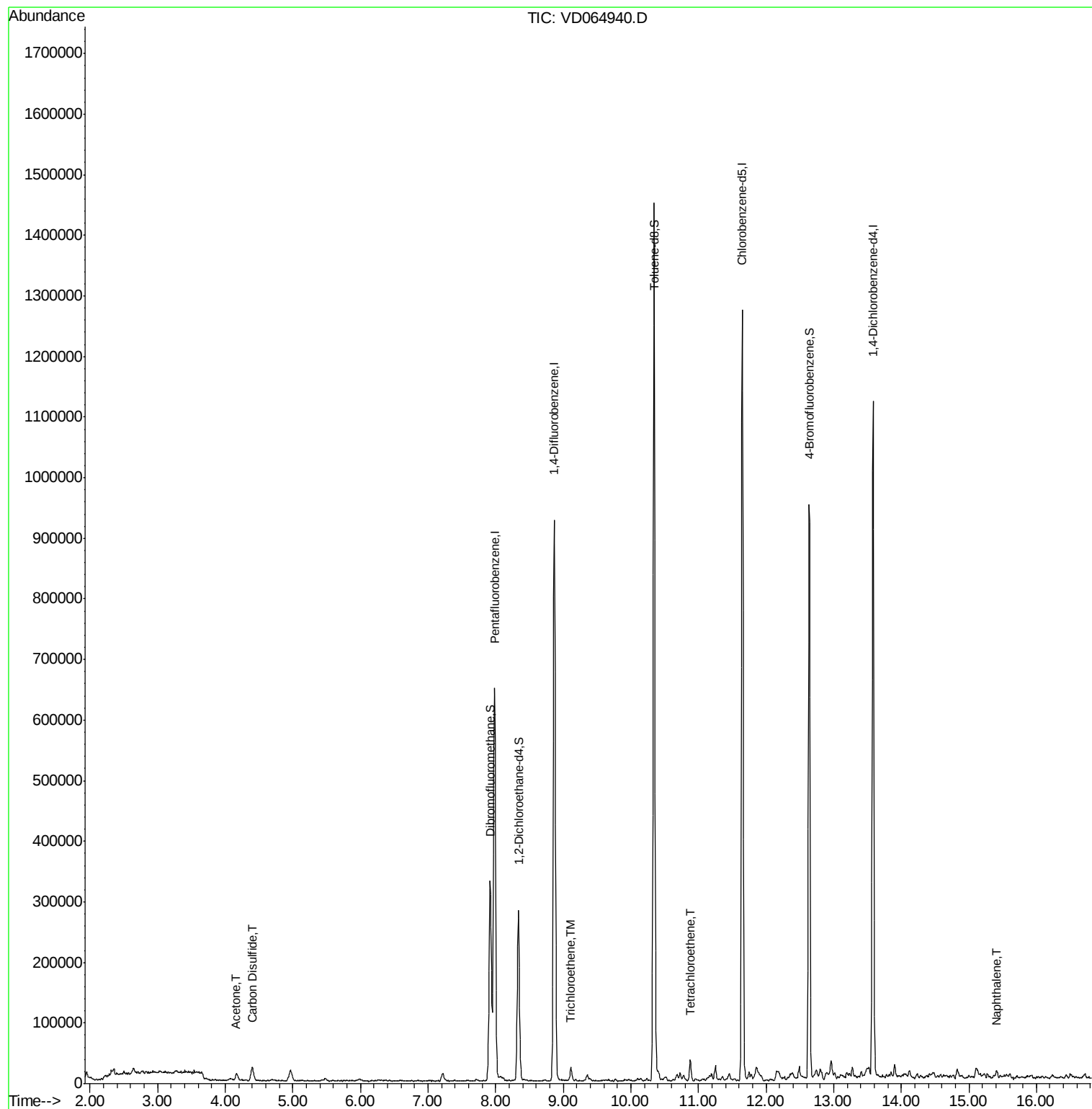
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 7.98  | 168  | 495971   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.87  | 114  | 793427   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.65 | 117  | 710291   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.58 | 152  | 295701   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.34  | 65   | 219886   | 46.22  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.44% |          |
| 35) Dibromofluoromethane    | 7.92  | 113  | 231352   | 46.40  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.80% |          |
| 50) Toluene-d8              | 10.34 | 98   | 942196   | 48.96  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.92% |          |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 289835   | 49.22  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.44% |          |
| Target Compounds            |       |      |          |        |        |          |
| 16) Acetone                 | 4.17  | 43   | 20205    | 28.279 | ug/l   | 98       |
| 17) Carbon Disulfide        | 4.40  | 76   | 44719    | 3.147  | ug/l   | 97       |
| 44) Trichloroethene         | 9.11  | 130  | 8348     | 1.416  | ug/l   | 79       |
| 64) Tetrachloroethene       | 10.88 | 164  | 7937     | 1.546  | ug/l   | 93       |
| 95) Naphthalene             | 15.41 | 128  | 11222    | 1.248  | ug/l # | 91       |

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

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Operator : VA/SY  
Sample : L1243-01  
Misc : 6.20G/5.00ml/MSVOA D/SOIL  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
CTY-SB-06-1.5-2.5

Quant Time: Jan 25 03:01:35 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D012320S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 23 13:45:59 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064940.D

Acq: 24 Jan 2020 13:48

Instrument :

MSVOA\_D

ClientSampleId :

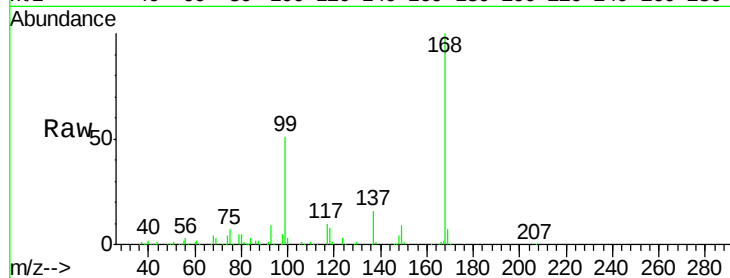
CTY-SB-06-1.5-2.5

Tot Ion:168 Resp: 495971

Ion Ratio Lower Upper

168 100

99 50.6 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

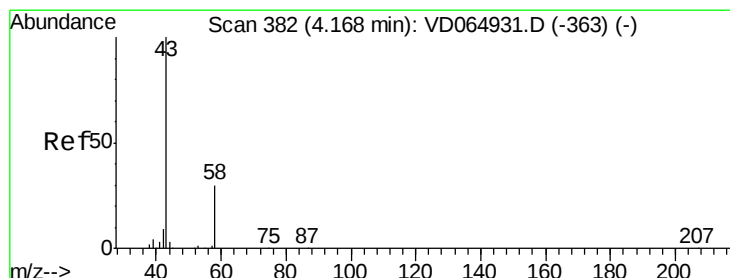
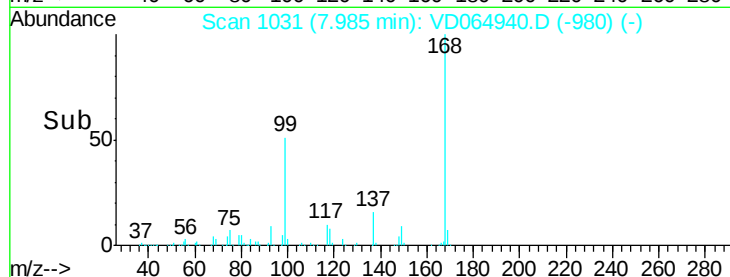
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 28.279 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064940.D

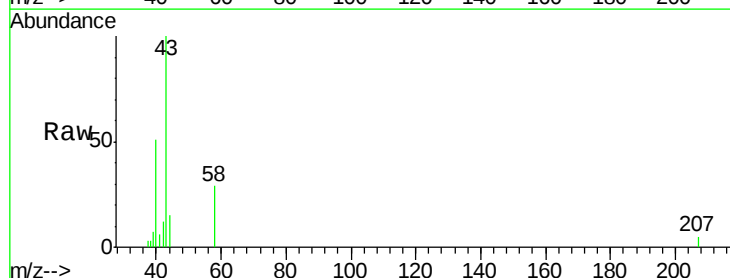
Acq: 24 Jan 2020 13:48

Tgt Ion: 43 Resp: 20205

Ion Ratio Lower Upper

43 100

58 28.5 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

8000

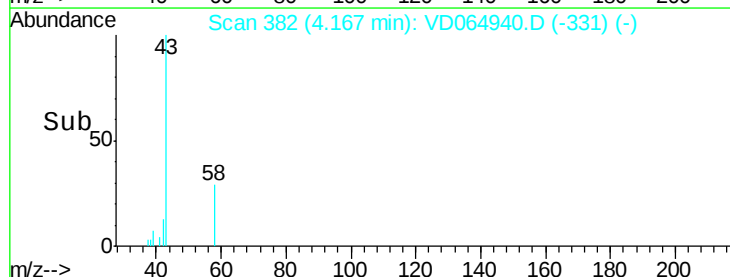
6000

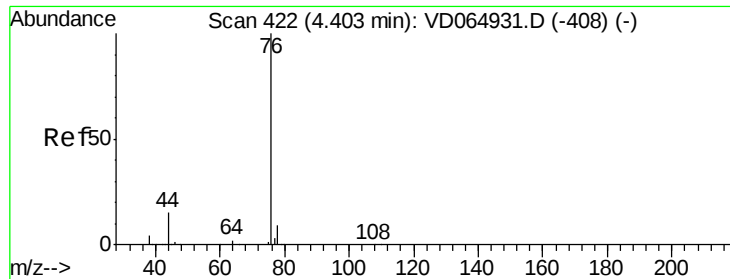
4000

2000

0

Time-->

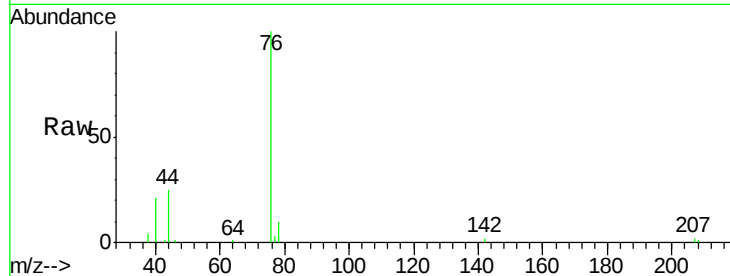




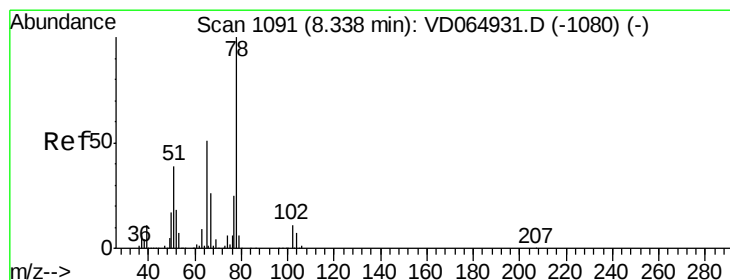
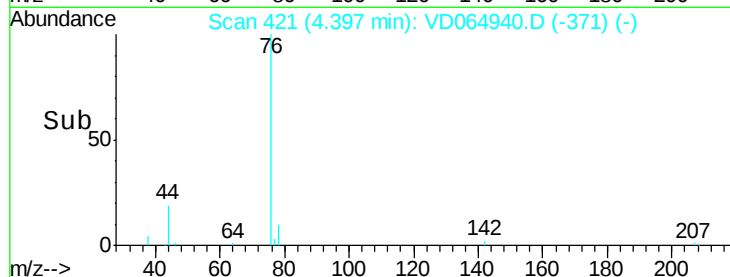
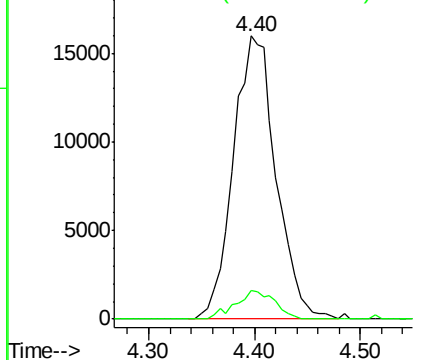
#17  
Carbon Disulfide  
Concen: 3.147 ug/l  
RT: 4.40 min Scan# 421  
Delta R.T. -0.01 min  
Lab File: VD064940.D  
Acq: 24 Jan 2020 13:48

Instrument :  
MSVOA\_D  
ClientSampleId :  
CTY-SB-06-1.5-2.5

Tot Ion: 76 Resp: 44719  
Ion Ratio Lower Upper  
76 100  
78 10.1 7.1 10.7

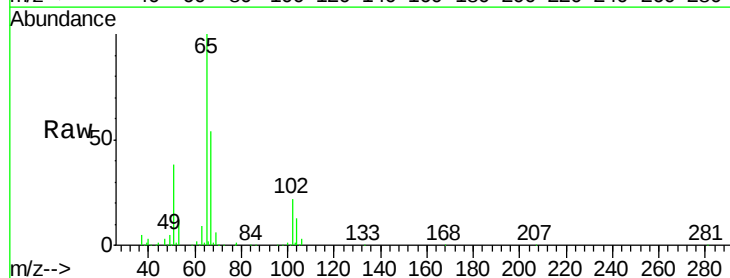


Abundance Ion 75.90 (75.60 to 76.60): VDC  
Ion 77.90 (77.60 to 78.60): VDC

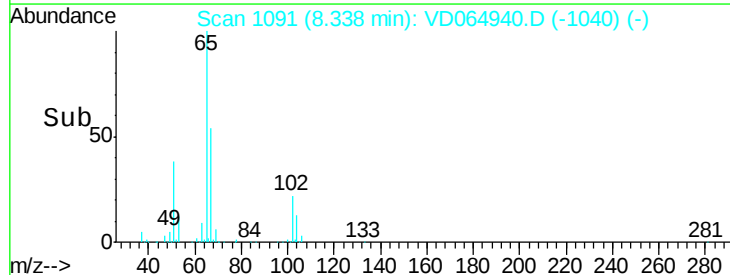
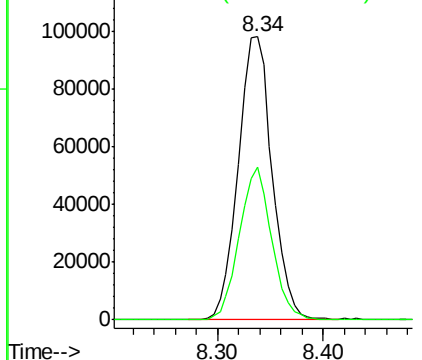


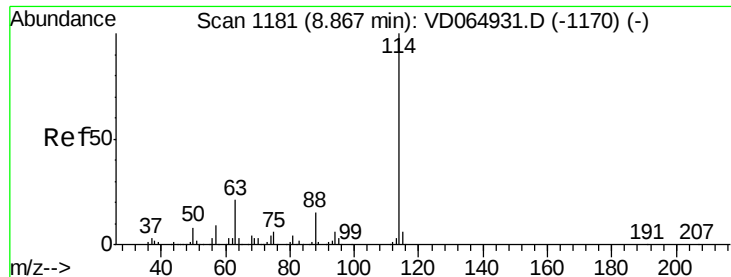
#33  
1,2-Dichloroethane-d4  
Concen: 46.219 ug/l  
RT: 8.34 min Scan# 1091  
Delta R.T. -0.00 min  
Lab File: VD064940.D  
Acq: 24 Jan 2020 13:48

Tgt Ion: 65 Resp: 219886  
Ion Ratio Lower Upper  
65 100  
67 51.3 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VDC  
Ion 66.90 (66.60 to 67.60): VDC

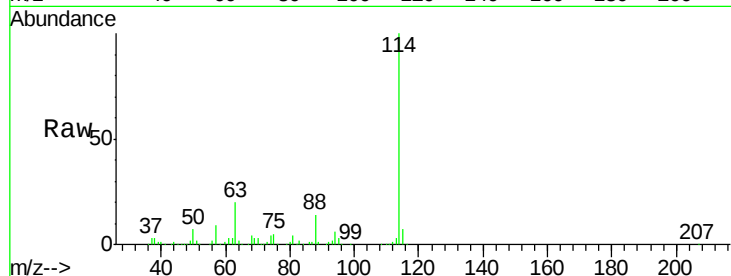




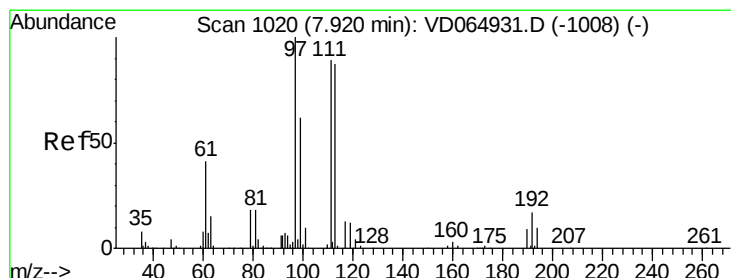
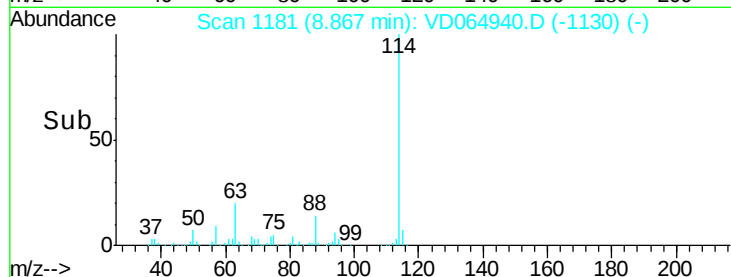
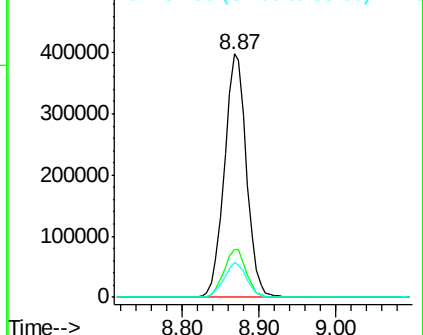
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. -0.00 min  
 Lab File: VD064940.D  
 Acq: 24 Jan 2020 13:48

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 CTY-SB-06-1.5-2.5

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.8  | 0.0   | 42.0  |
| 88      | 14.5  | 0.0   | 29.4  |

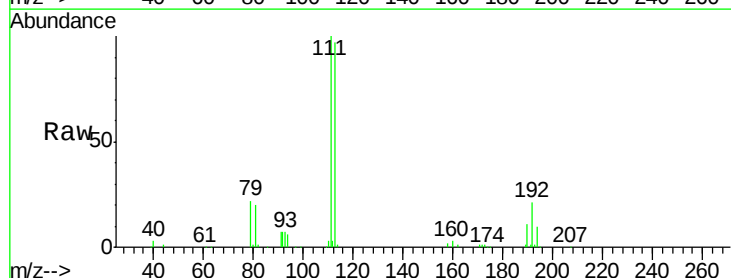


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): V  
 Ion 87.90 (87.60 to 88.60): V

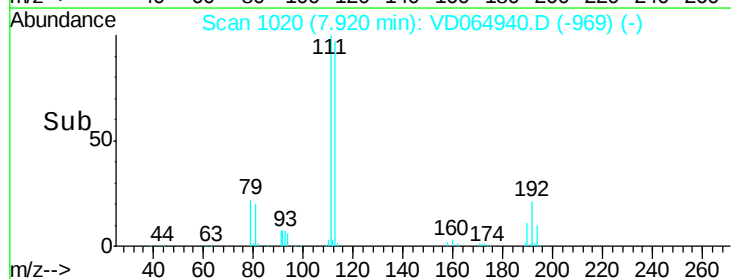
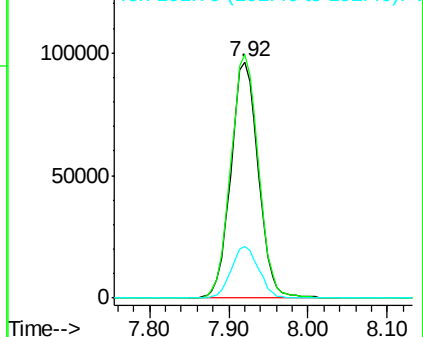


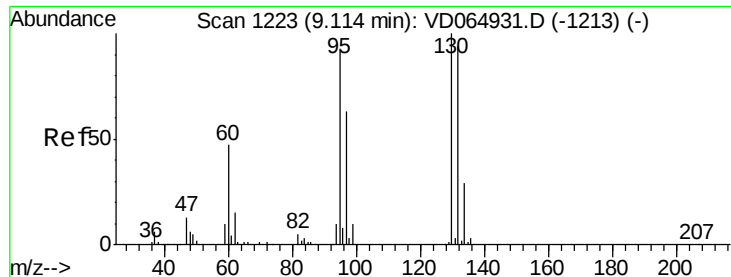
#35  
 Dibromofluoromethane  
 Concen: 46.400 ug/l  
 RT: 7.92 min Scan# 1020  
 Delta R.T. -0.00 min  
 Lab File: VD064940.D  
 Acq: 24 Jan 2020 13:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.5 | 82.4  | 123.6 |
| 192     | 21.8  | 16.9  | 25.3  |



Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

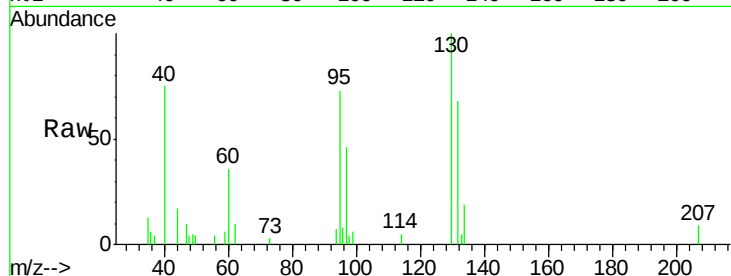




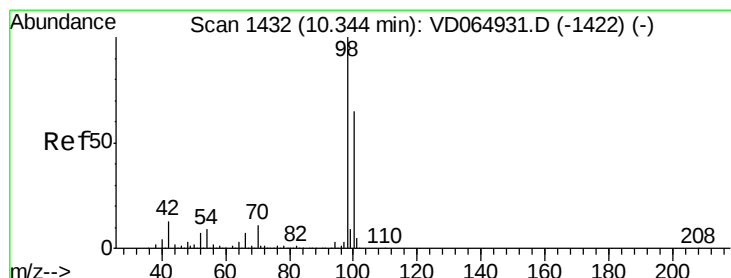
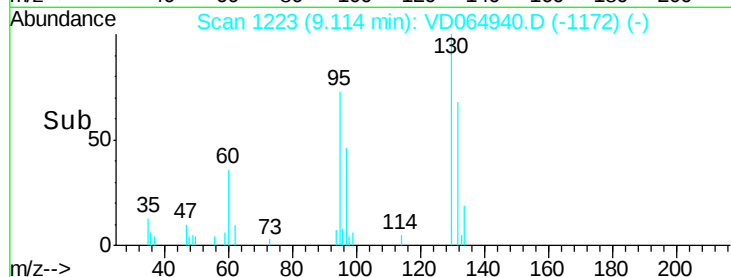
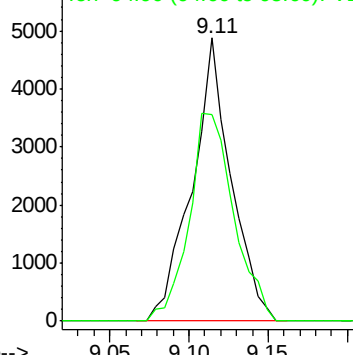
#44  
 Trichloroethene  
 Concen: 1.416 ug/l  
 RT: 9.11 min Scan# 1223  
 Delta R.T. -0.00 min  
 Lab File: VD064940.D  
 Acq: 24 Jan 2020 13:48

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 CTY-SB-06-1.5-2.5

Tot Ion:130 Resp: 8348  
 Ion Ratio Lower Upper  
 130 100  
 95 73.2 0.0 185.8

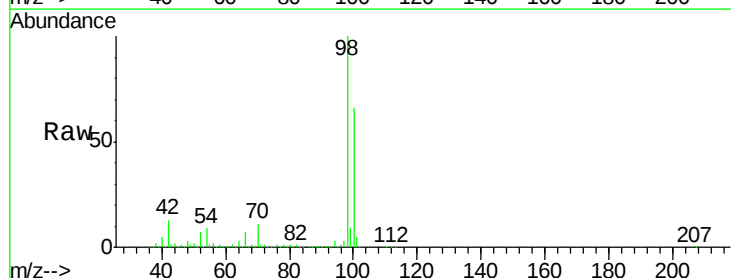


Abundance Ion 129.80 (129.50 to 130.50): V

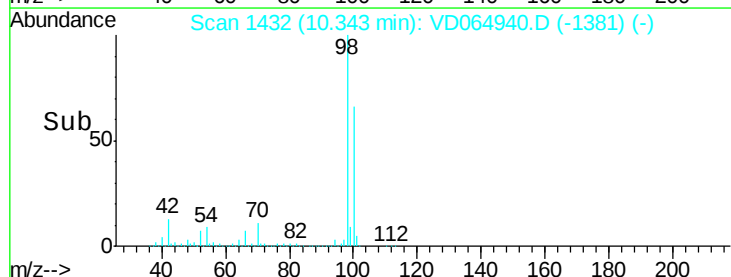
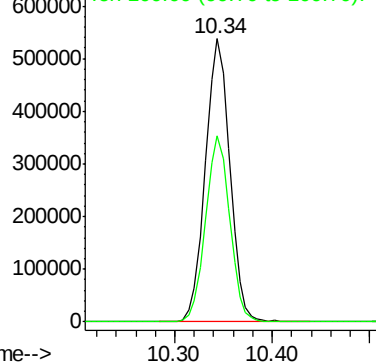


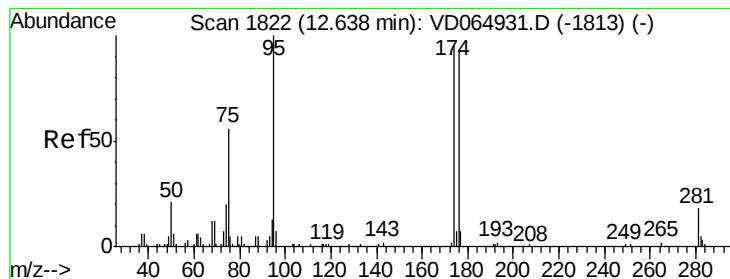
#50  
 Toluene-d8  
 Concen: 48.960 ug/l  
 RT: 10.34 min Scan# 1432  
 Delta R.T. -0.00 min  
 Lab File: VD064940.D  
 Acq: 24 Jan 2020 13:48

Tgt Ion: 98 Resp: 942196  
 Ion Ratio Lower Upper  
 98 100  
 100 65.0 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VDC





#62

4-Bromofluorobenzene

Concen: 49.216 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064940.D

Acq: 24 Jan 2020 13:48

Instrument :

MSVOA\_D

ClientSampleId :

CTY-SB-06-1.5-2.5

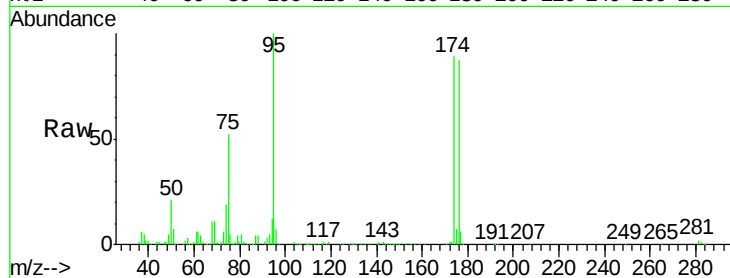
Tot Ion: 95 Resp: 289835

Ion Ratio Lower Upper

95 100

174 91.1 0.0 186.8

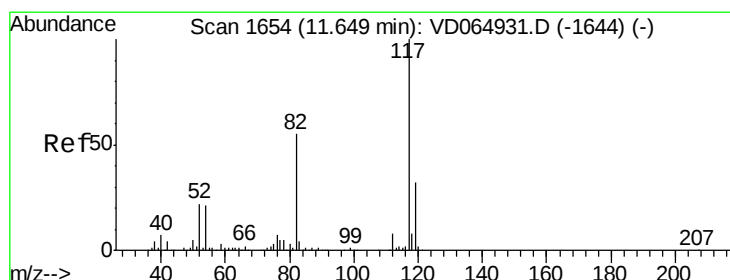
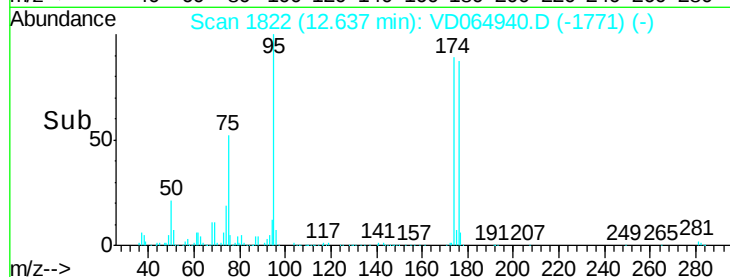
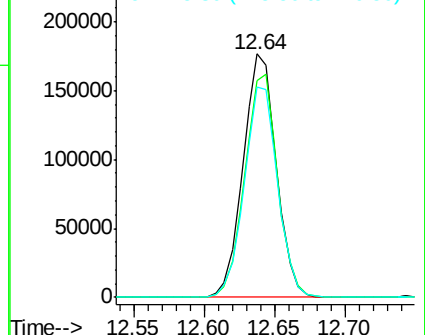
176 87.3 0.0 183.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD064940.D

Acq: 24 Jan 2020 13:48

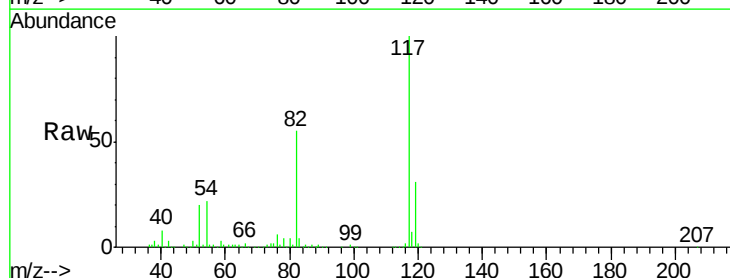
Tgt Ion: 117 Resp: 710291

Ion Ratio Lower Upper

117 100

82 54.5 43.6 65.4

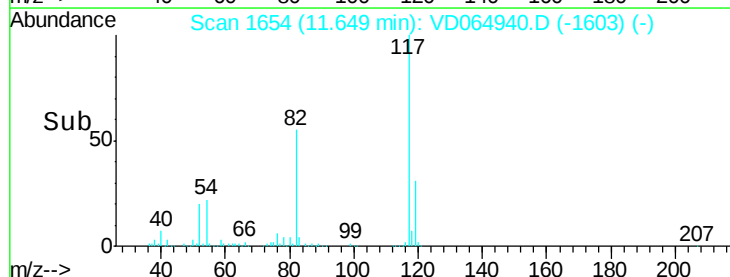
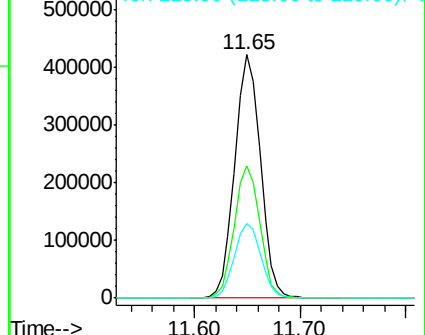
119 30.9 25.2 37.8

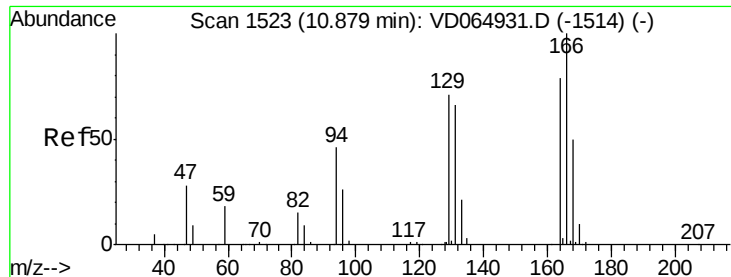


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

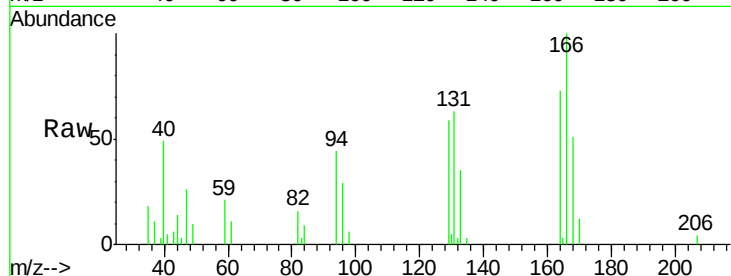




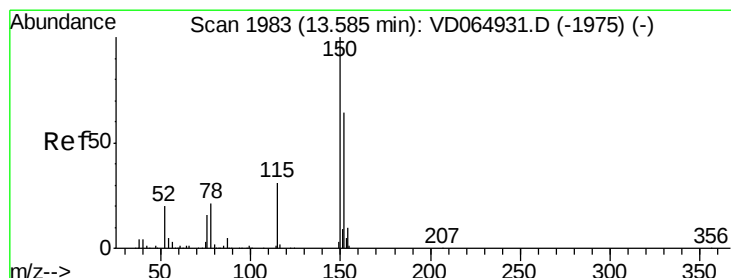
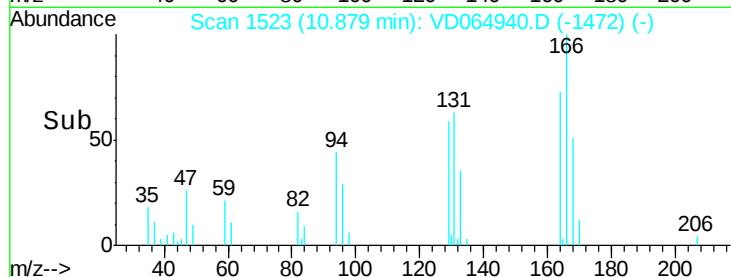
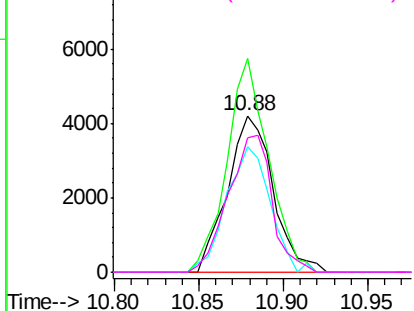
#64  
Tetrachloroethene  
Concen: 1.546 ug/l  
RT: 10.88 min Scan# 1523  
Delta R.T. -0.00 min  
Lab File: VD064940.D  
Acq: 24 Jan 2020 13:48

Instrument :  
MSVOA\_D  
ClientSampleId :  
CTY-SB-06-1.5-2.5

Tot Ion:164 Resp: 7937  
Ion Ratio Lower Upper  
164 100  
166 136.3 101.4 152.2  
129 80.1 71.8 107.8  
131 86.1 66.8 100.2

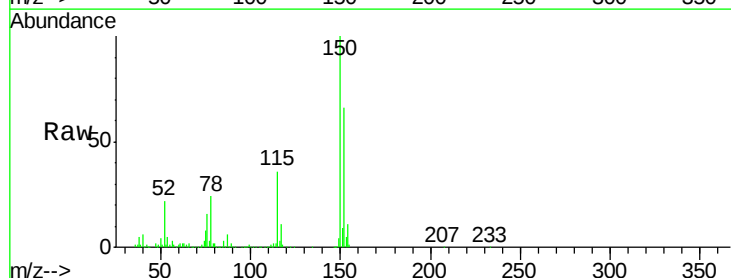


Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V

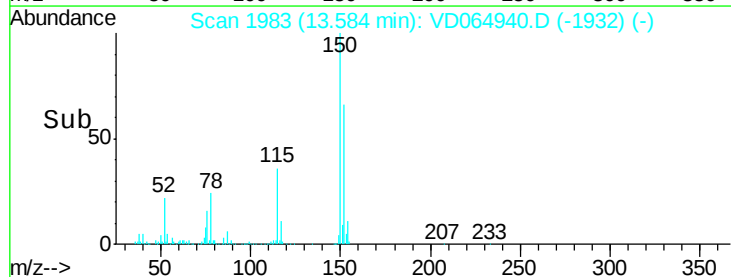
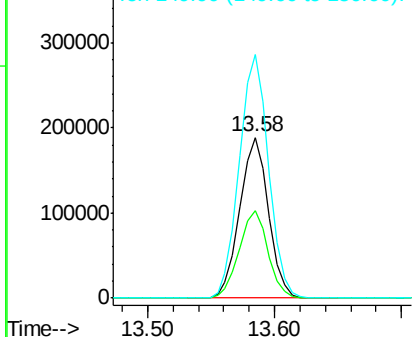


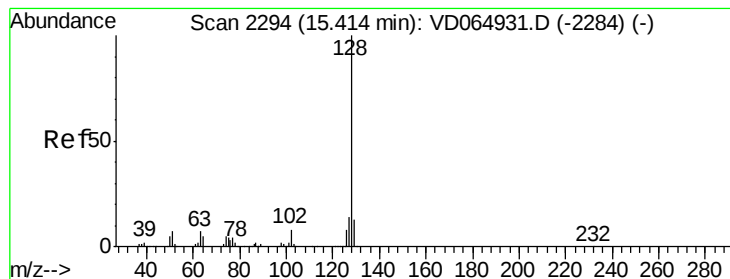
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.58 min Scan# 1983  
Delta R.T. -0.00 min  
Lab File: VD064940.D  
Acq: 24 Jan 2020 13:48

Tgt Ion:152 Resp: 295701  
Ion Ratio Lower Upper  
152 100  
115 54.5 28.1 84.4  
150 154.5 0.0 350.4



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#95

Naphthalene

Concen: 1.248 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD064940.D

Acq: 24 Jan 2020 13:48

Instrument :

MSVOA\_D

ClientSampleId :

CTY-SB-06-1.5-2.5

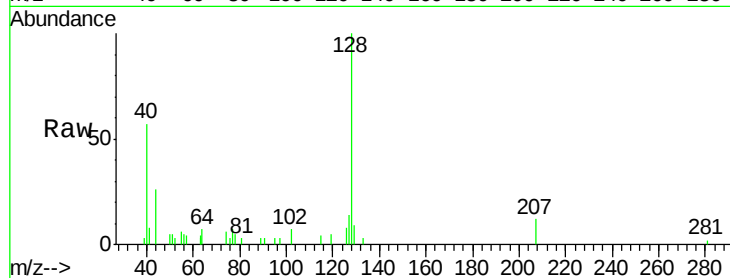
Tot Ion:128 Resp: 11222

Ion Ratio Lower Upper

128 100

127 17.8 10.6 15.8#

129 14.2 9.3 13.9#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

