

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX010320\  
 Data File : VX014410.D  
 Acq On : 03 Jan 2020 18:57  
 Operator : JC/SP  
 Sample : L1008-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CL-02-010220

Quant Time: Jan 06 03:46:31 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121319W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 17 03:01:07 2019  
 Response via : Initial Calibration

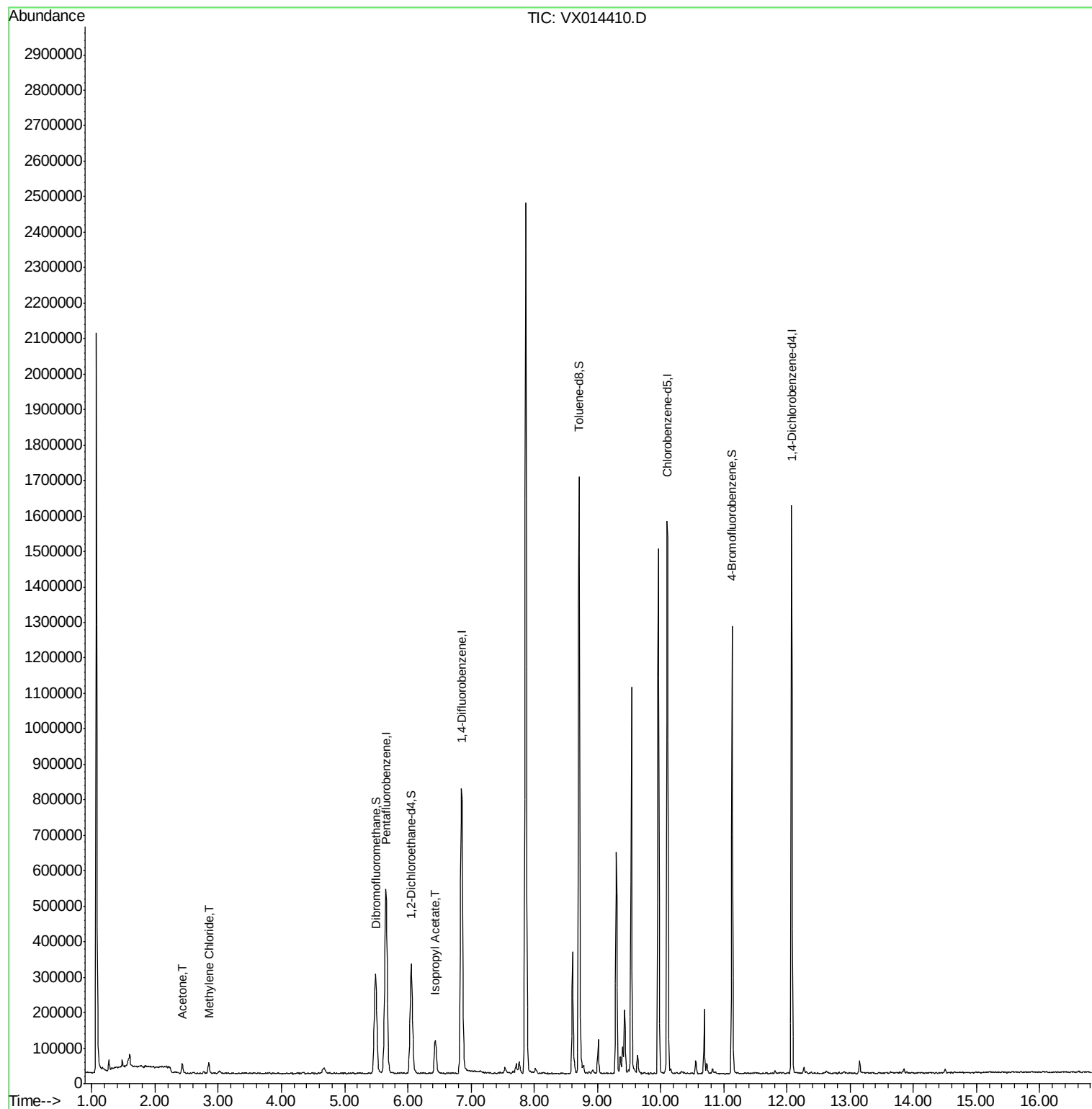
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 550346   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 834467   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 743463   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 332003   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 297395   | 47.68 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.36% |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 244128   | 48.13 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.26% |          |
| 50) Toluene-d8              | 8.71  | 98   | 982317   | 49.74 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.48% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 333262   | 46.16 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.32% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 2.43  | 43   | 29296    | 7.235 | ug/l   | 98       |
| 20) Methylene Chloride      | 2.86  | 84   | 15290    | 2.398 | ug/l   | 90       |
| 43) Isopropyl Acetate       | 6.43  | 43   | 129063   | 9.224 | ug/l   | 100      |

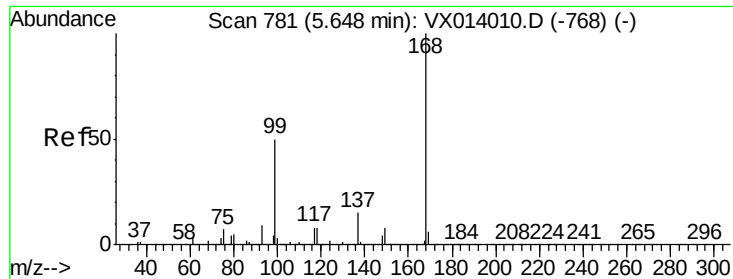
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 17 03:01:07 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014410.D

Acq: 03 Jan 2020 18:57

Instrument :

MSVOA\_X

ClientSampleId :

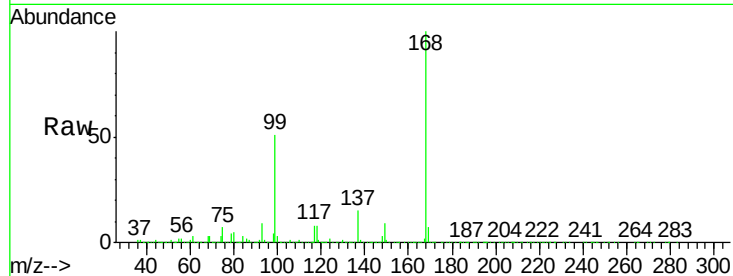
CL-02-010220

Tgt Ion:168 Resp: 550346

Ion Ratio Lower Upper

168 100

99 50.9 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

150000

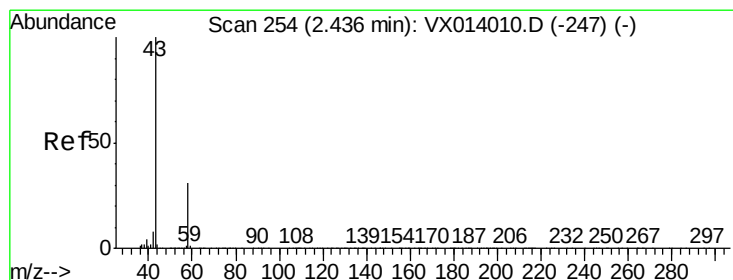
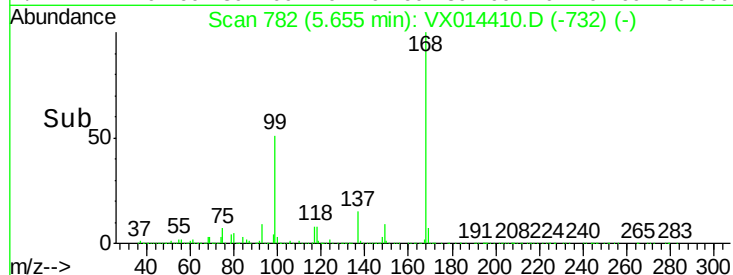
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 7.235 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014410.D

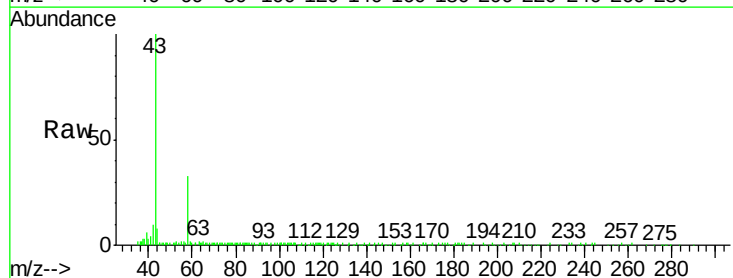
Acq: 03 Jan 2020 18:57

Tgt Ion: 43 Resp: 29296

Ion Ratio Lower Upper

43 100

58 32.4 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

20000

15000

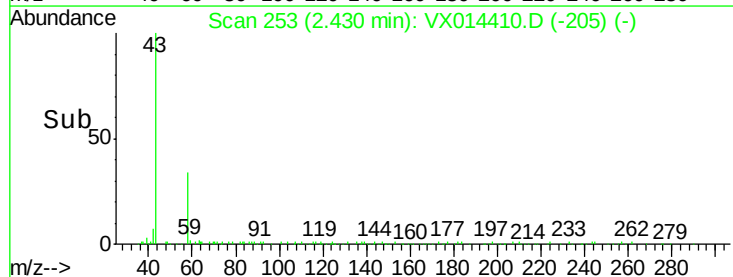
10000

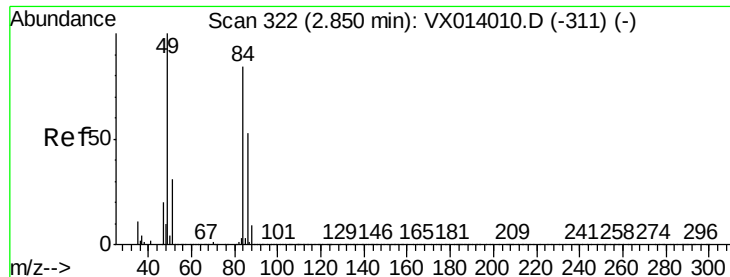
5000

0

Time-->

2.35 2.40 2.45 2.50





#20

Methylene Chloride

Concen: 2.398 ug/l

RT: 2.86 min Scan# 323

Delta R.T. 0.01 min

Lab File: VX014410.D

Acq: 03 Jan 2020 18:57

Instrument :

MSVOA\_X

ClientSampleId :

CL-02-010220

Tgt Ion: 84 Resp: 15290

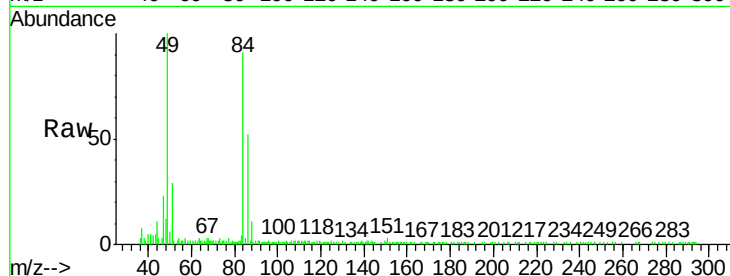
Ion Ratio Lower Upper

84 100

49 108.8 95.8 143.6

51 30.0 29.8 44.8

86 56.0 50.8 76.2

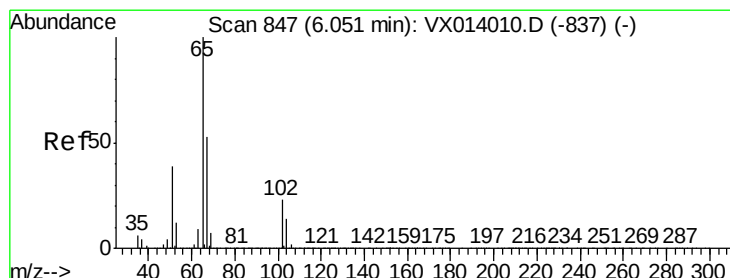
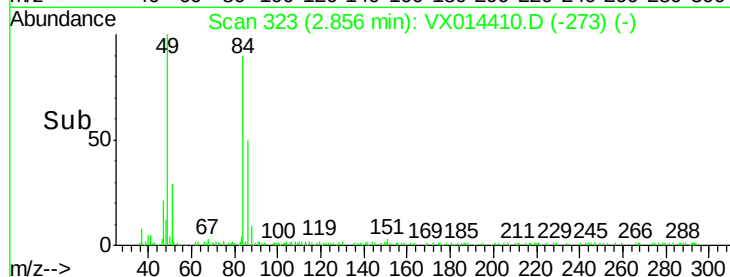
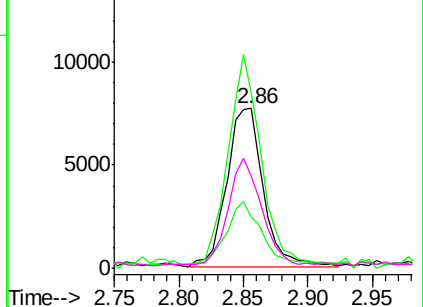


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 47.679 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014410.D

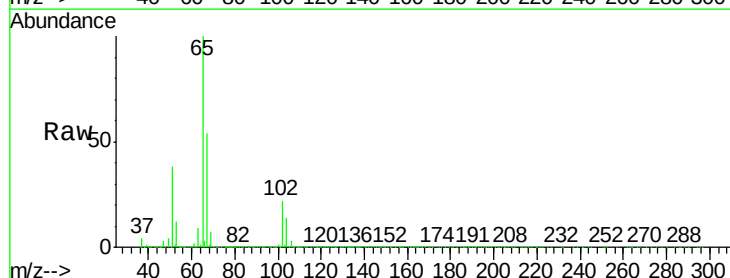
Acq: 03 Jan 2020 18:57

Tgt Ion: 65 Resp: 297395

Ion Ratio Lower Upper

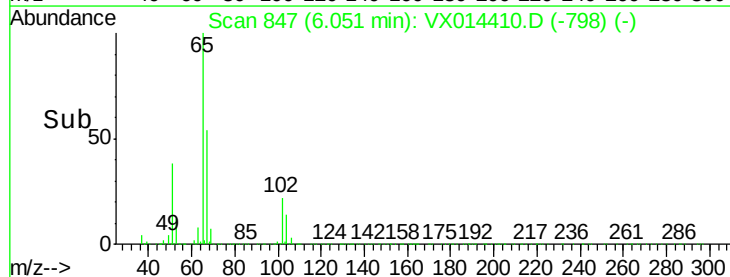
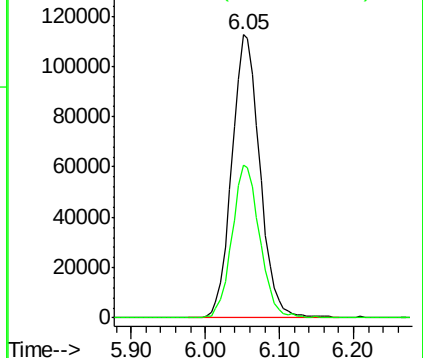
65 100

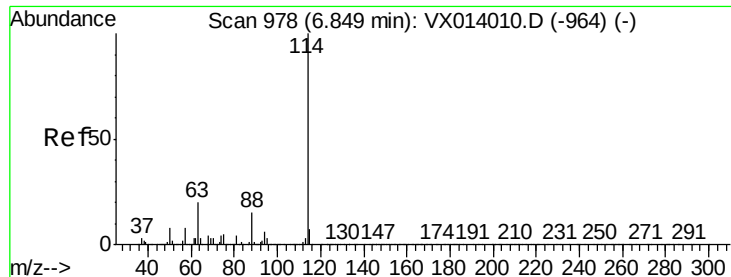
67 52.9 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014410.D

Acq: 03 Jan 2020 18:57

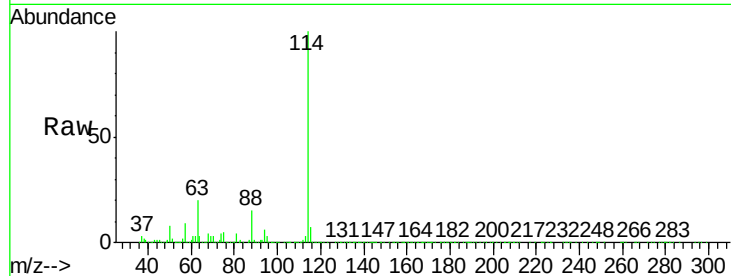
Instrument :

MSVOA\_X

ClientSampleId :

CL-02-010220

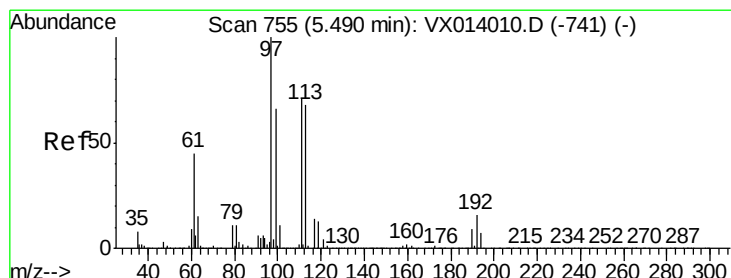
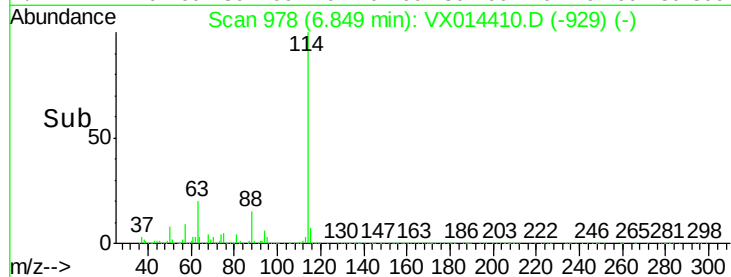
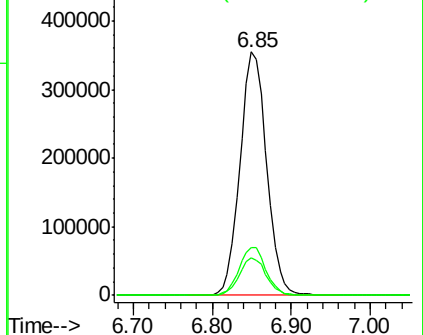
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 834467 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 19.6  | 0.0   | 40.8   |
| 88       | 15.4  | 0.0   | 30.4   |



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.126 ug/l

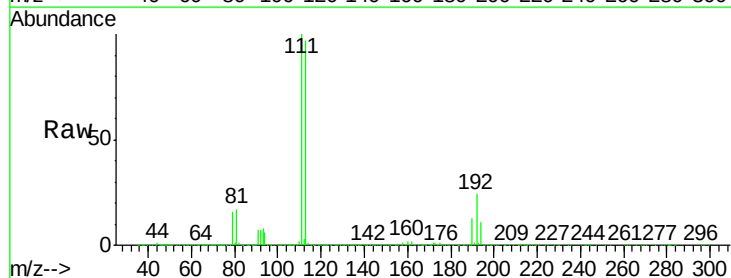
RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014410.D

Acq: 03 Jan 2020 18:57

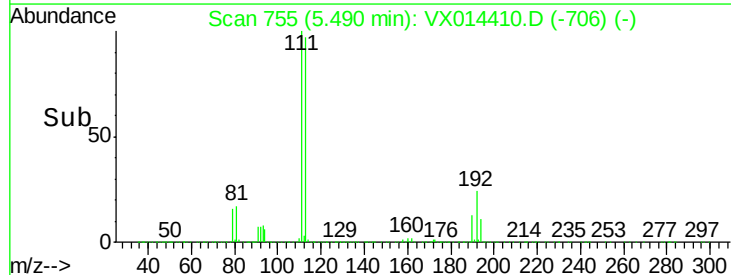
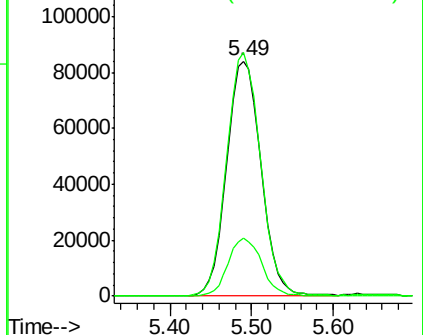
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 244128 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 102.5 | 82.0  | 123.0  |
| 192      | 24.3  | 19.3  | 28.9   |

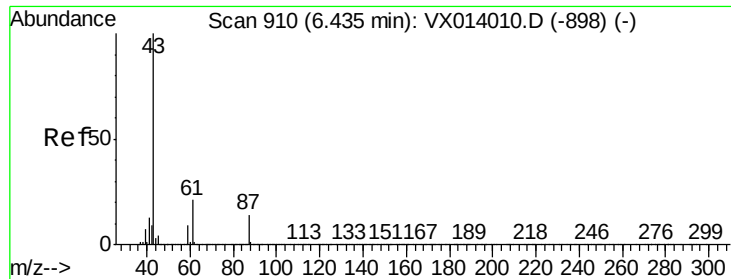


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 9.224 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX014410.D

Acq: 03 Jan 2020 18:57

Instrument :

MSVOA\_X

ClientSampleId :

CL-02-010220

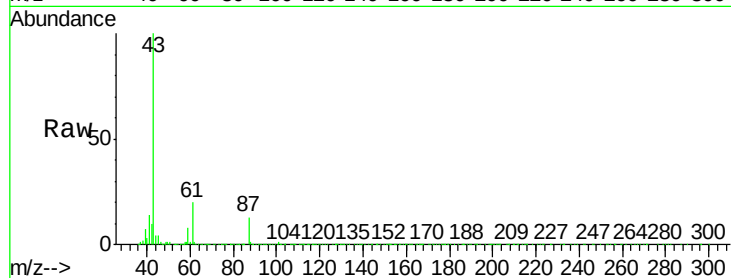
Tgt Ion: 43 Resp: 129063

Ion Ratio Lower Upper

43 100

61 20.5 16.4 24.6

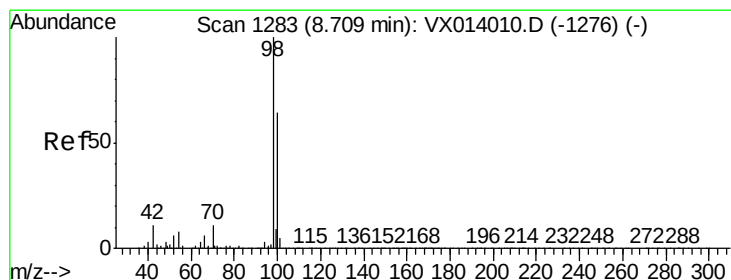
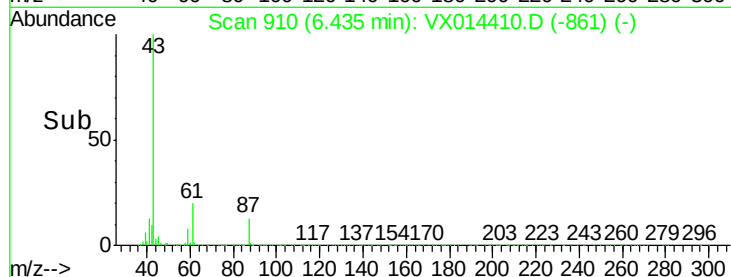
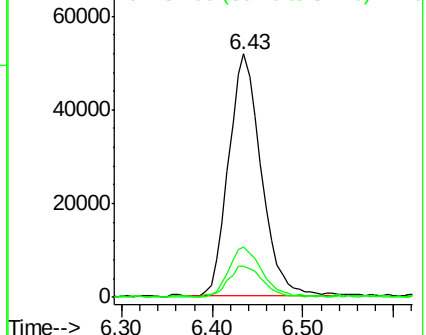
87 13.3 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 49.740 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014410.D

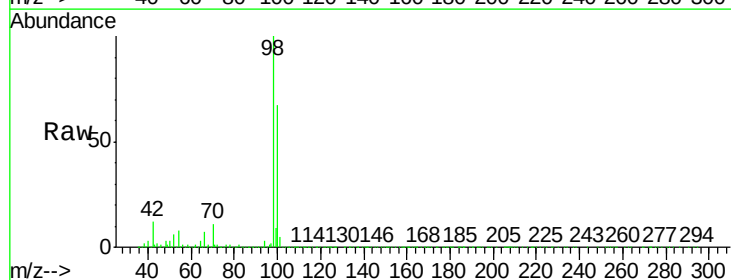
Acq: 03 Jan 2020 18:57

Tgt Ion: 98 Resp: 982317

Ion Ratio Lower Upper

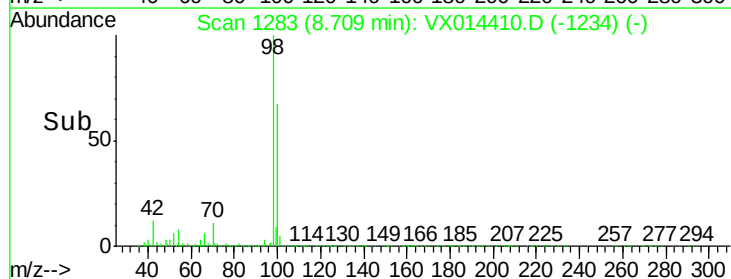
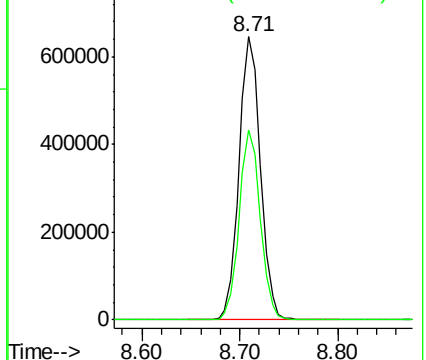
98 100

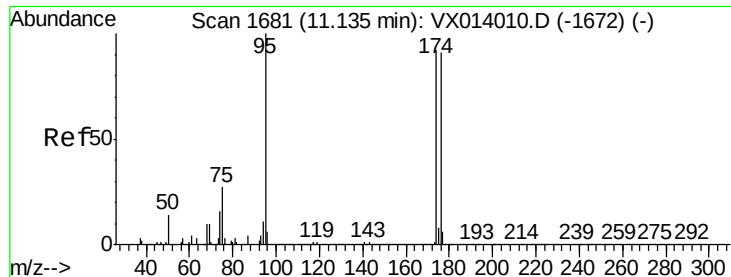
100 66.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 46.164 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014410.D

Acq: 03 Jan 2020 18:57

Instrument :

MSVOA\_X

ClientSampleId :

CL-02-010220

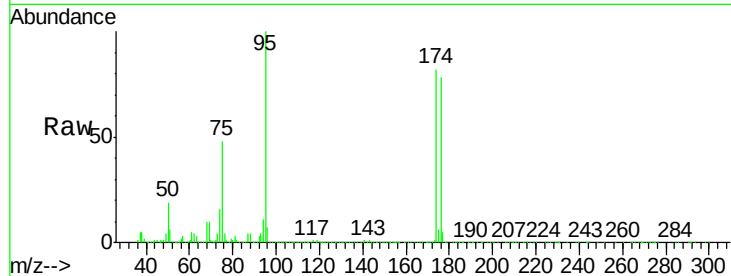
Tgt Ion: 95 Resp: 333262

Ion Ratio Lower Upper

95 100

174 91.6 0.0 175.8

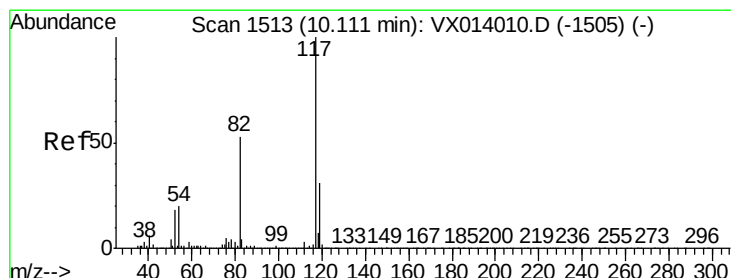
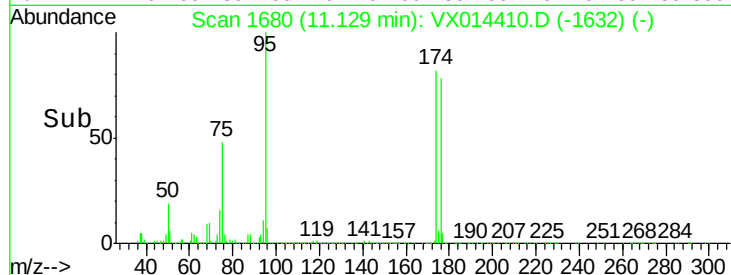
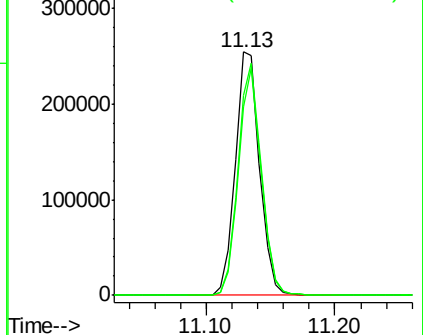
176 88.2 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

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: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014410.D

Acq: 03 Jan 2020 18:57

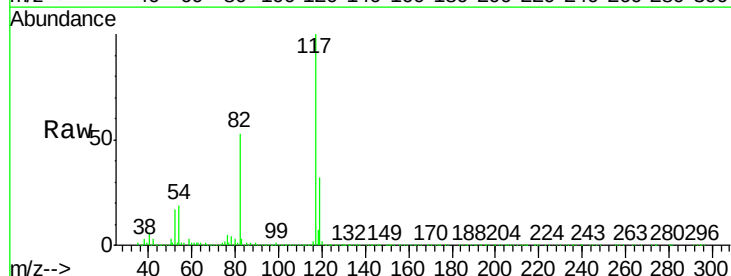
Tgt Ion: 117 Resp: 743463

Ion Ratio Lower Upper

117 100

82 52.6 42.2 63.4

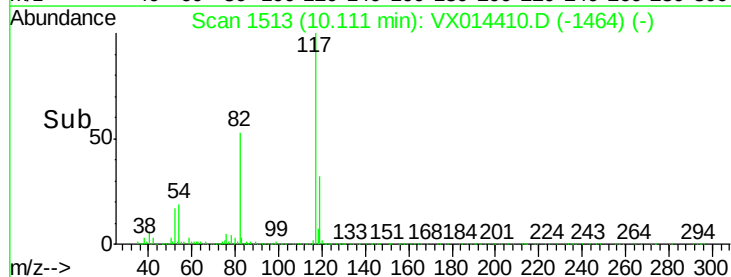
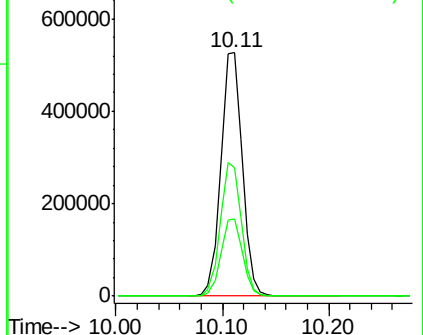
119 31.8 25.1 37.7

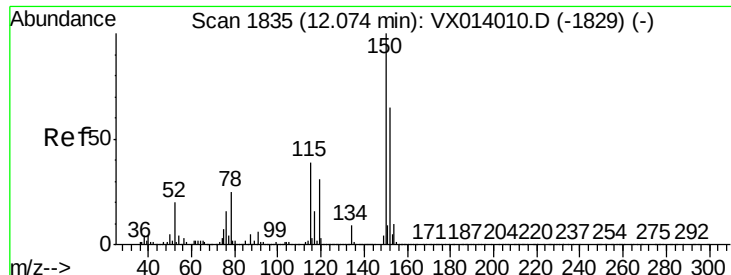


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.07 min Scan# 1835  
 Delta R.T. 0.00 min  
 Lab File: VX014410.D  
 Acq: 03 Jan 2020 18:57

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CL-02-010220

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.9  | 38.3  | 114.9 |
| 150     | 158.2 | 0.0   | 345.4 |

