

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX031119\  
 Data File : VX007972.D  
 Acq On : 11 Mar 2019 16:17  
 Operator : JC/SP  
 Sample : K1841-13  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EB01-20190308

Quant Time: Mar 22 04:59:45 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X030619W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 07 07:33:26 2019  
 Response via : Initial Calibration

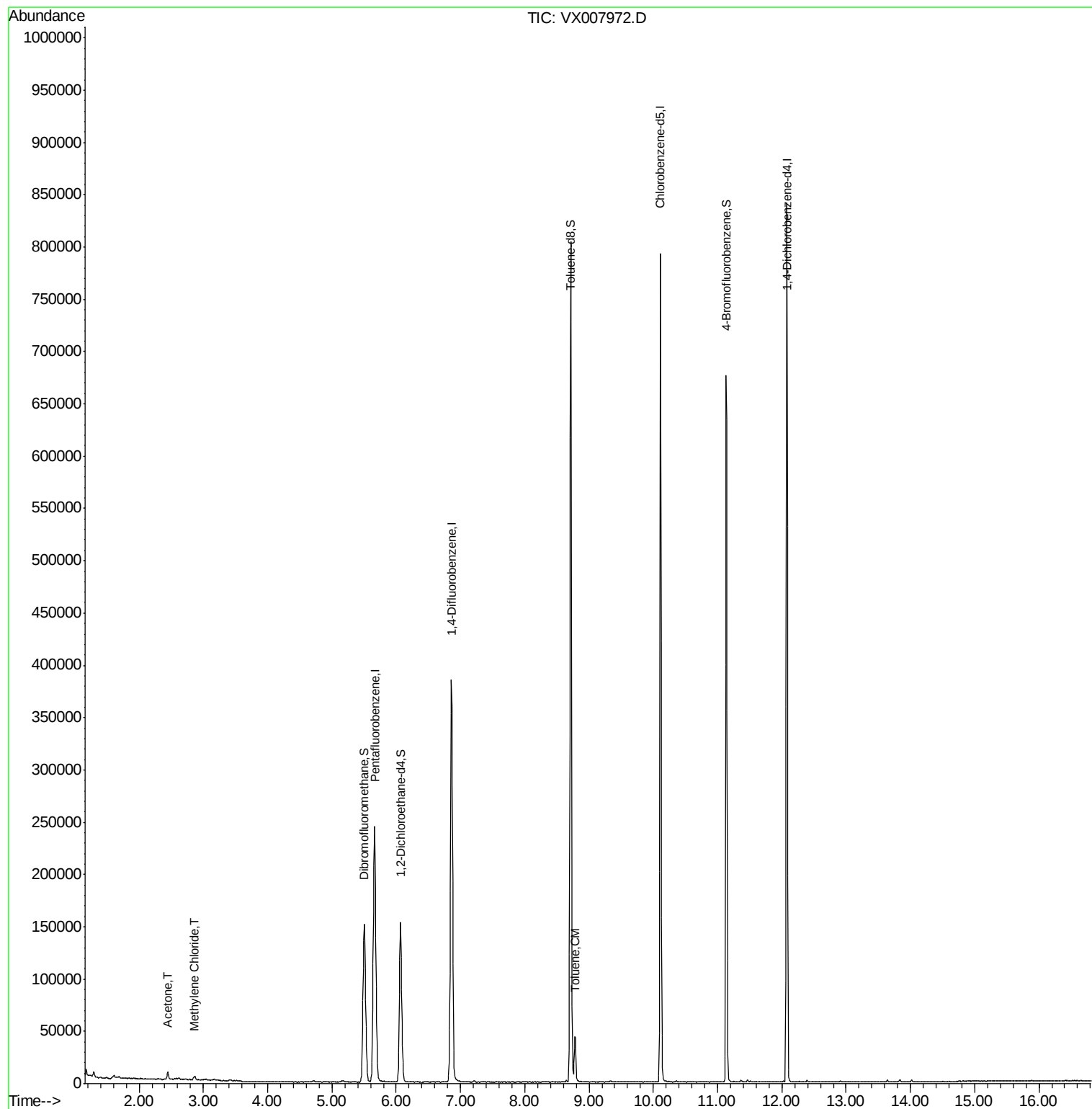
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 260982   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 407520   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 381897   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 184983   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 141320   | 51.33 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.66% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 131308   | 50.37 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.74% |          |
| 50) Toluene-d8              | 8.71  | 98   | 493375   | 51.54 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.08% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 181109   | 53.96 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 107.92% |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.45  | 43   | 7381     | 4.632 | ug/l    | 95       |
| 20) Methylene Chloride      | 2.86  | 84   | 1659     | 0.654 | ug/l    | 94       |
| 52) Toluene                 | 8.78  | 92   | 16519    | 2.463 | ug/l    | 99       |

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

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QLast Update : Thu Mar 07 07:33:26 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007972.D

Acq: 11 Mar 2019 16:17

Instrument :

MSVOA\_X

ClientSampleId :

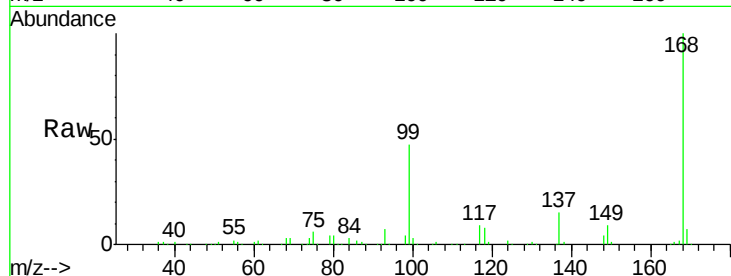
EB01-20190308

Tot Ion:168 Resp: 260982

Ion Ratio Lower Upper

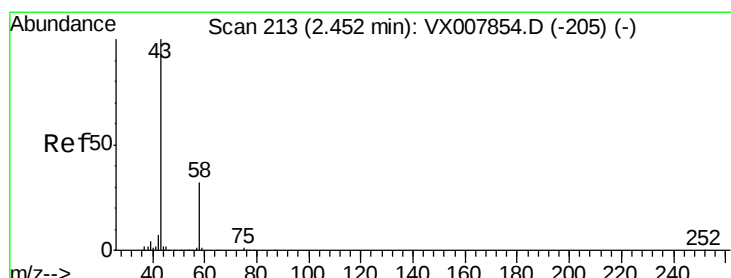
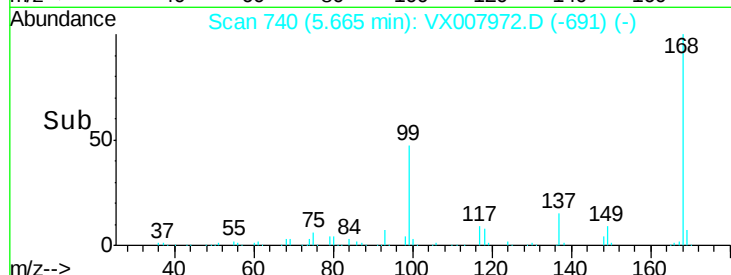
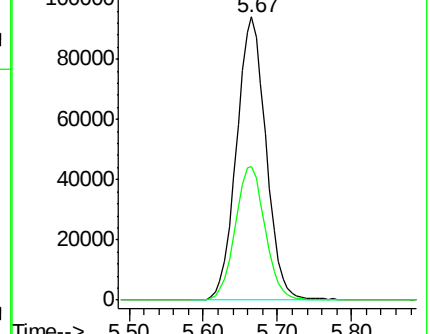
168 100

99 47.1 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 4.632 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX007972.D

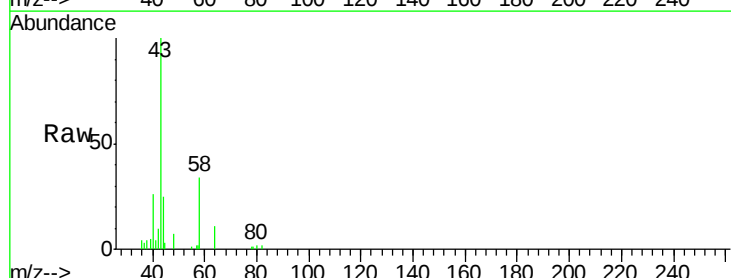
Acq: 11 Mar 2019 16:17

Tgt Ion: 43 Resp: 7381

Ion Ratio Lower Upper

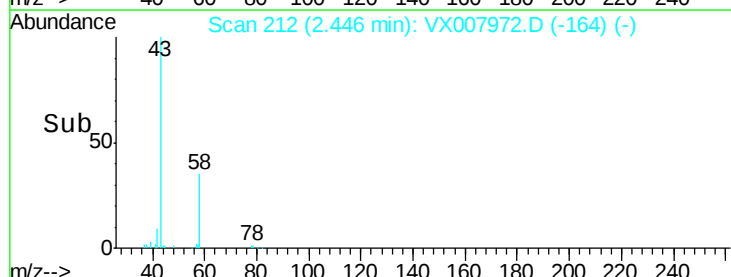
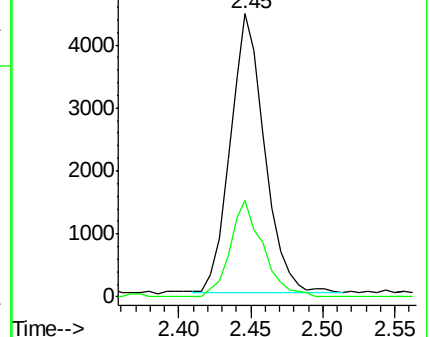
43 100

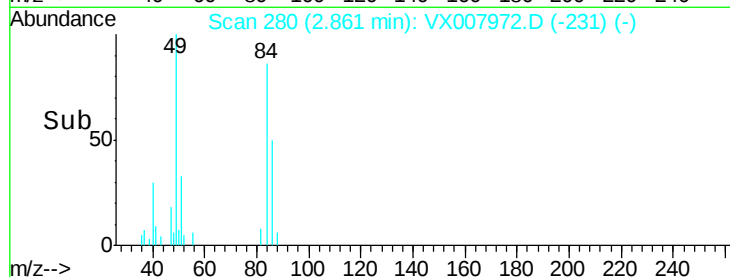
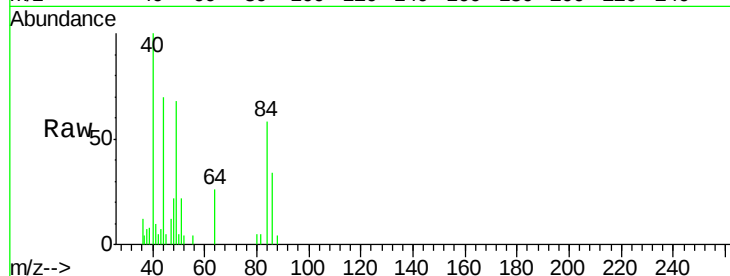
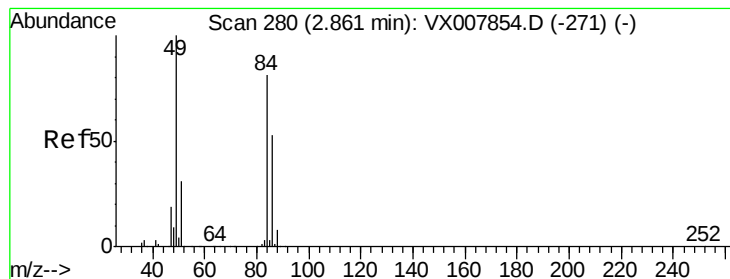
58 34.6 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#20

Methylene Chloride

Concen: 0.654 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX007972.D

Acq: 11 Mar 2019 16:17

Instrument :

MSVOA\_X

ClientSampleId :

EB01-20190308

Tot Ion: 84 Resp: 1659

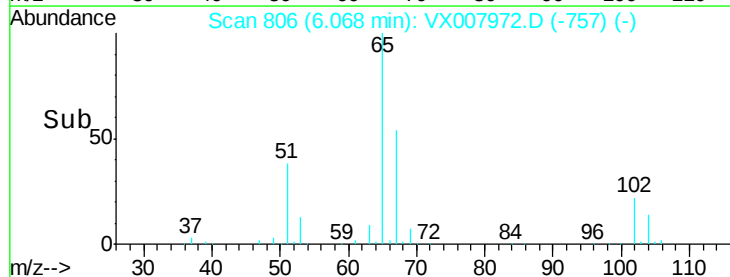
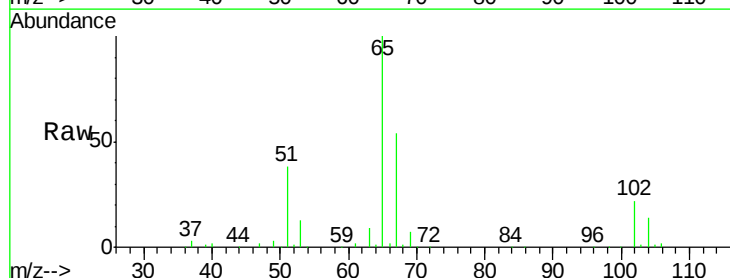
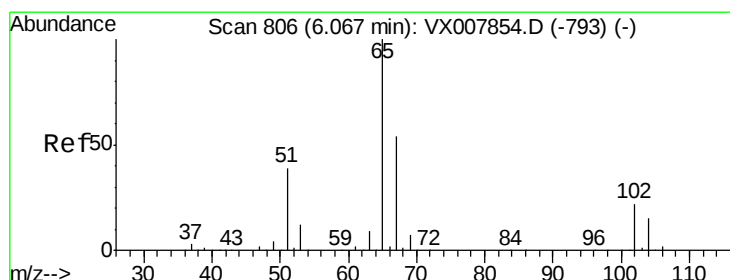
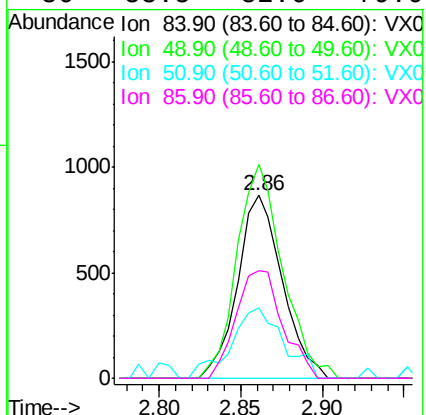
Ion Ratio Lower Upper

84 100

49 116.7 99.3 148.9

51 38.3 31.3 46.9

86 58.5 52.6 79.0



#33

1,2-Dichloroethane-d4

Concen: 51.331 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007972.D

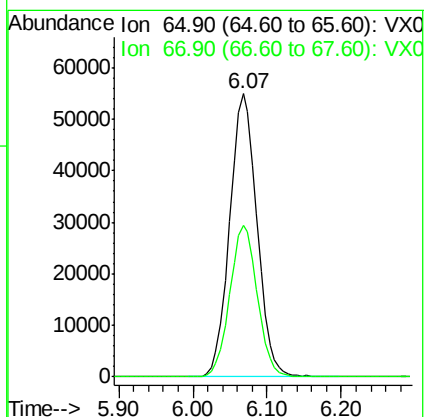
Acq: 11 Mar 2019 16:17

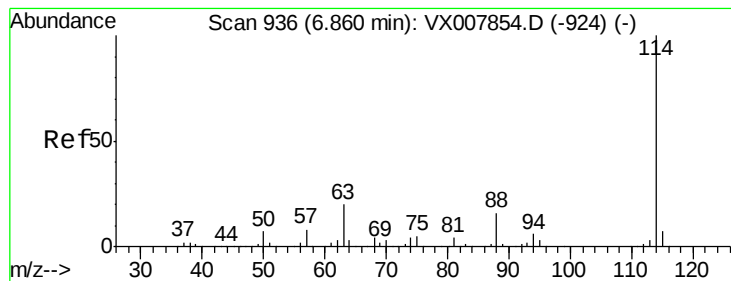
Tgt Ion: 65 Resp: 141320

Ion Ratio Lower Upper

65 100

67 53.7 0.0 110.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007972.D

Acq: 11 Mar 2019 16:17

Instrument :

MSVOA\_X

ClientSampleId :

EB01-20190308

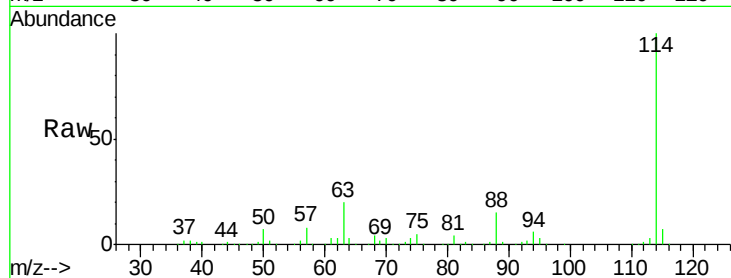
Tot Ion:114 Resp: 407520

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.8

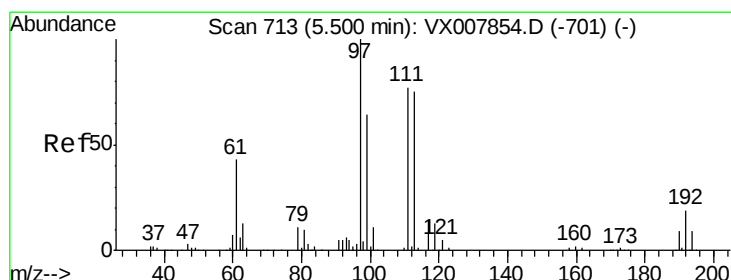
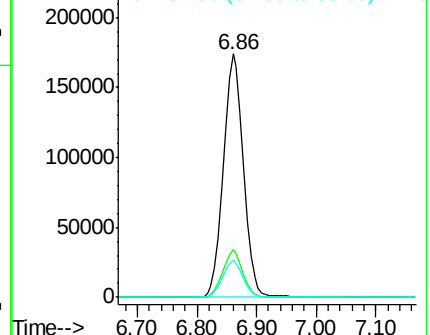
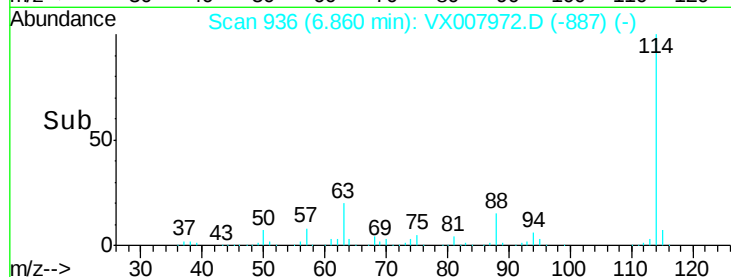
88 15.4 0.0 31.4



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: 50.372 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007972.D

Acq: 11 Mar 2019 16:17

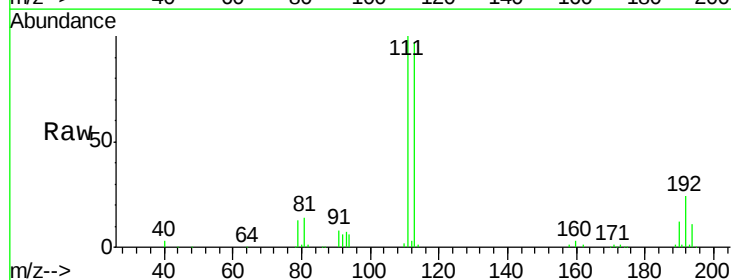
Tgt Ion:113 Resp: 131308

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

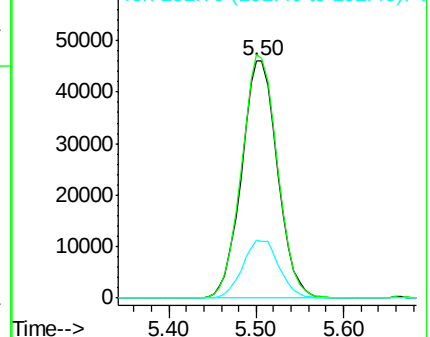
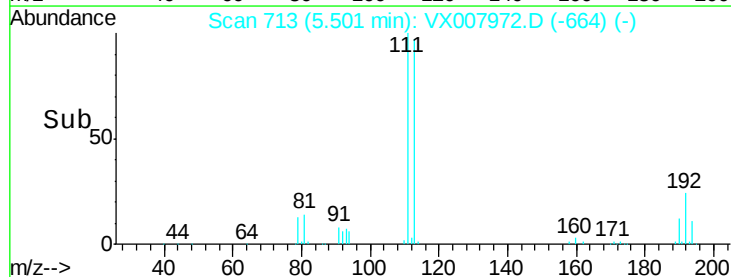
192 24.8 19.4 29.0

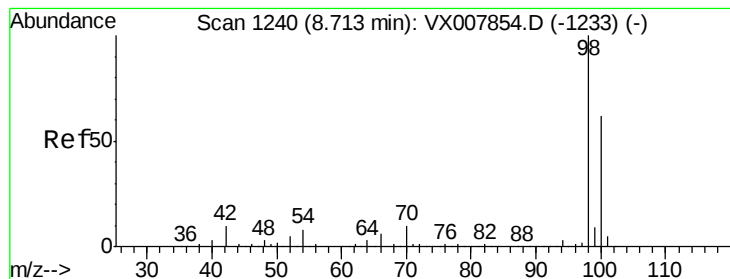


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.536 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007972.D

Acq: 11 Mar 2019 16:17

Instrument :

MSVOA\_X

ClientSampleId :

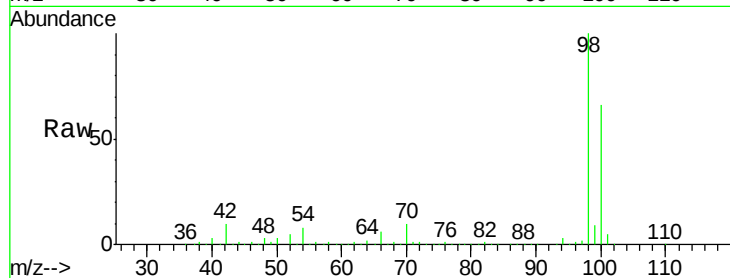
EB01-20190308

Tot Ion: 98 Resp: 493375

Ion Ratio Lower Upper

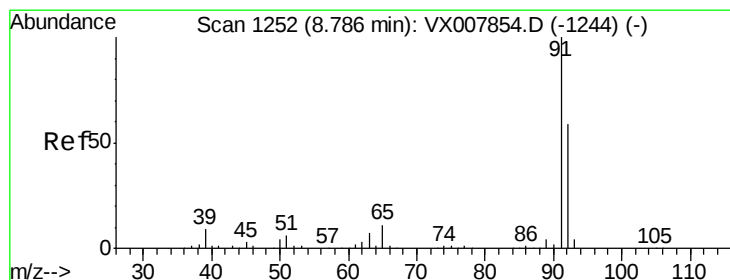
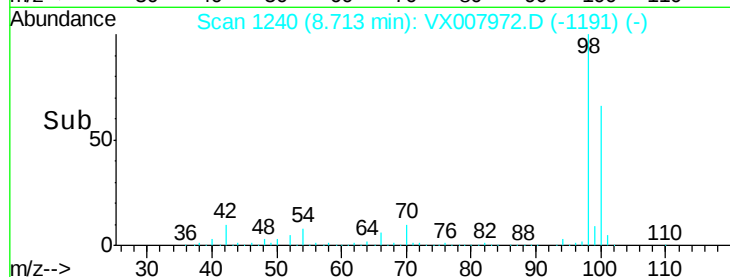
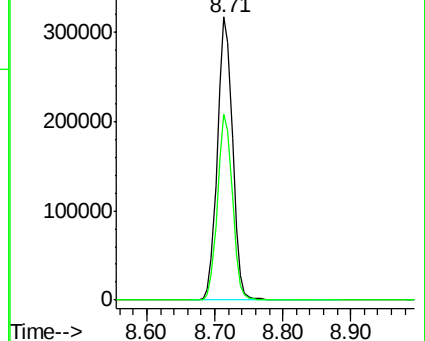
98 100

100 64.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#52

Toluene

Concen: 2.463 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX007972.D

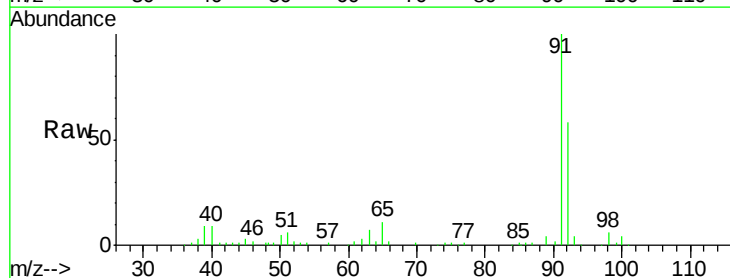
Acq: 11 Mar 2019 16:17

Tgt Ion: 92 Resp: 16519

Ion Ratio Lower Upper

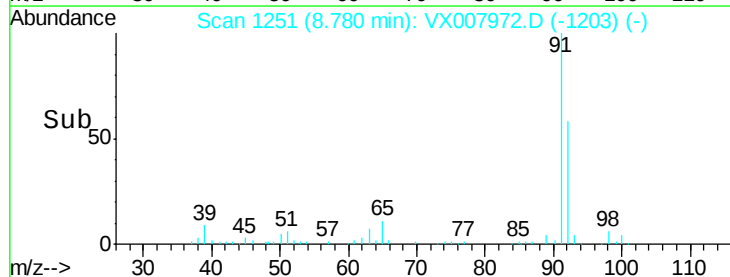
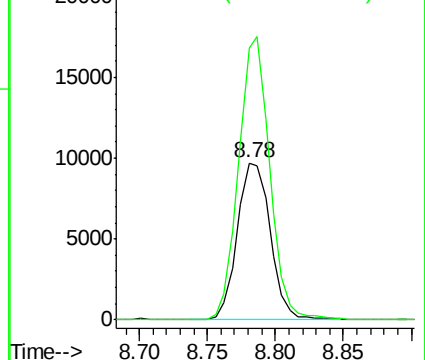
92 100

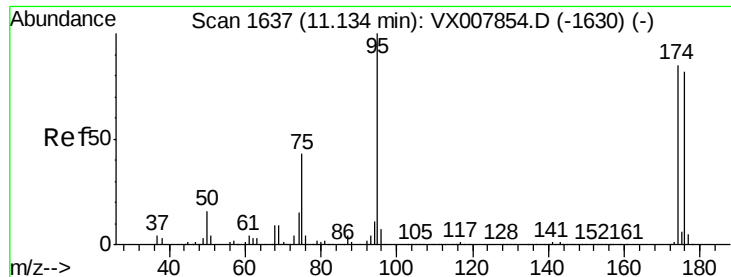
91 170.0 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#62

4-Bromofluorobenzene

Concen: 53.958 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007972.D

Acq: 11 Mar 2019 16:17

Instrument :

MSVOA\_X

ClientSampleId :

EB01-20190308

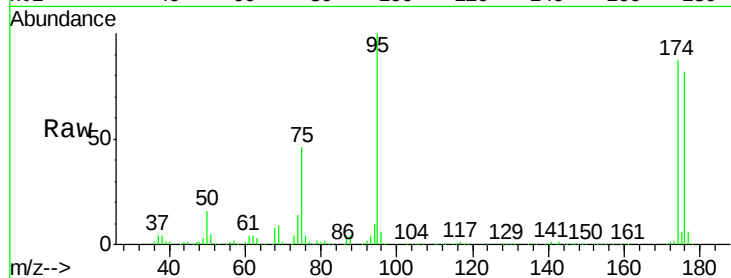
Tot Ion: 95 Resp: 181109

Ion Ratio Lower Upper

95 100

174 93.2 0.0 182.8

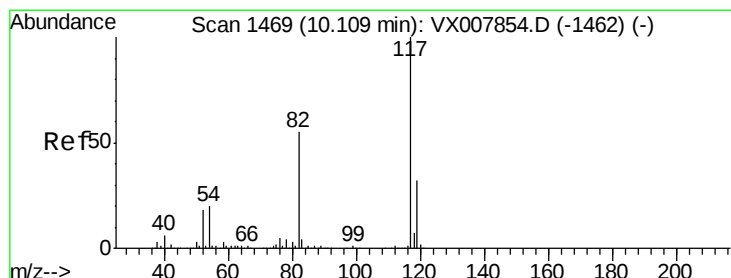
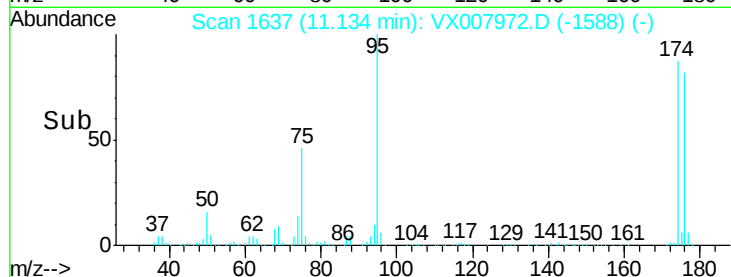
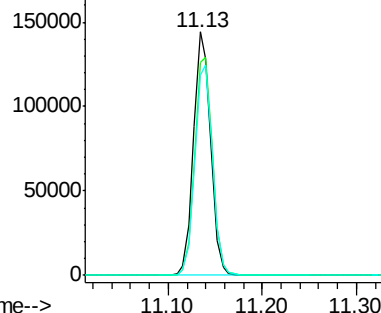
176 89.2 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX007854.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX007854.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX007854.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX007972.D

Acq: 11 Mar 2019 16:17

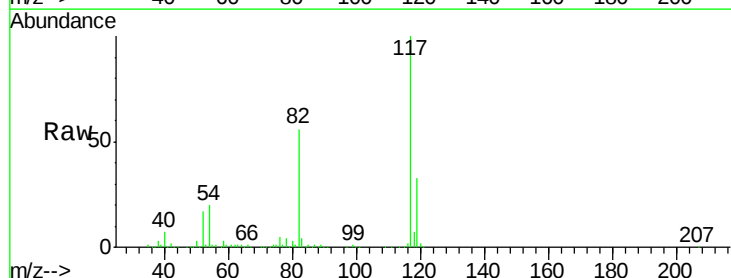
Tgt Ion: 117 Resp: 381897

Ion Ratio Lower Upper

117 100

82 55.7 44.3 66.5

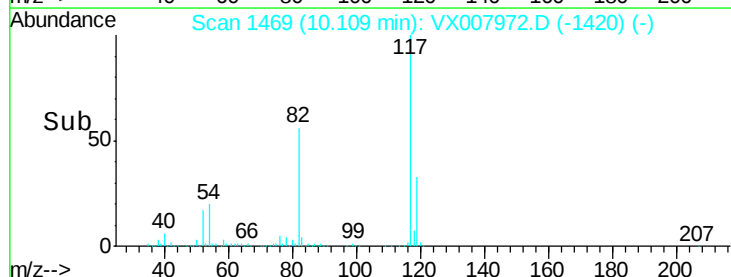
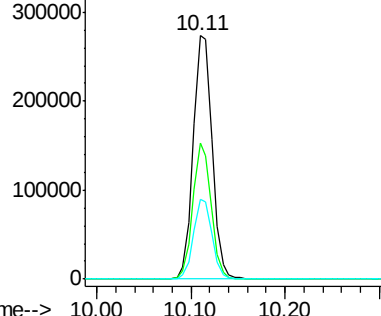
119 32.7 25.3 37.9

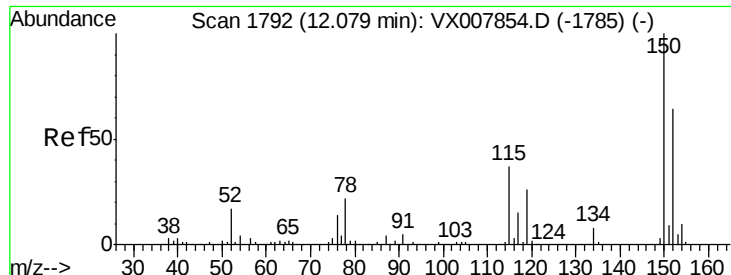


Abundance Ion 116.90 (116.60 to 117.60): VX007854.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX007854.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX007854.D (-1462) (-)

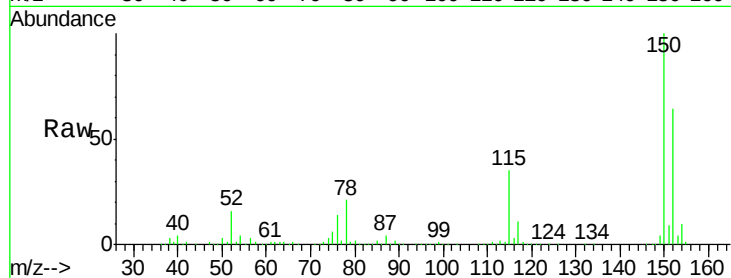




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.08 min Scan# 1792  
 Delta R.T. 0.00 min  
 Lab File: VX007972.D  
 Acq: 11 Mar 2019 16:17

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EB01-20190308

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.2  | 38.6  | 115.7 |
| 150     | 156.8 | 0.0   | 348.4 |



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

