

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101419\  
 Data File : VX013043.D  
 Acq On : 14 Oct 2019 11:49  
 Operator : JC/SP  
 Sample : K5313-11  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FA19-JBW7330A

Quant Time: Oct 15 02:29:03 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X100819W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 11 09:48:22 2019  
 Response via : Initial Calibration

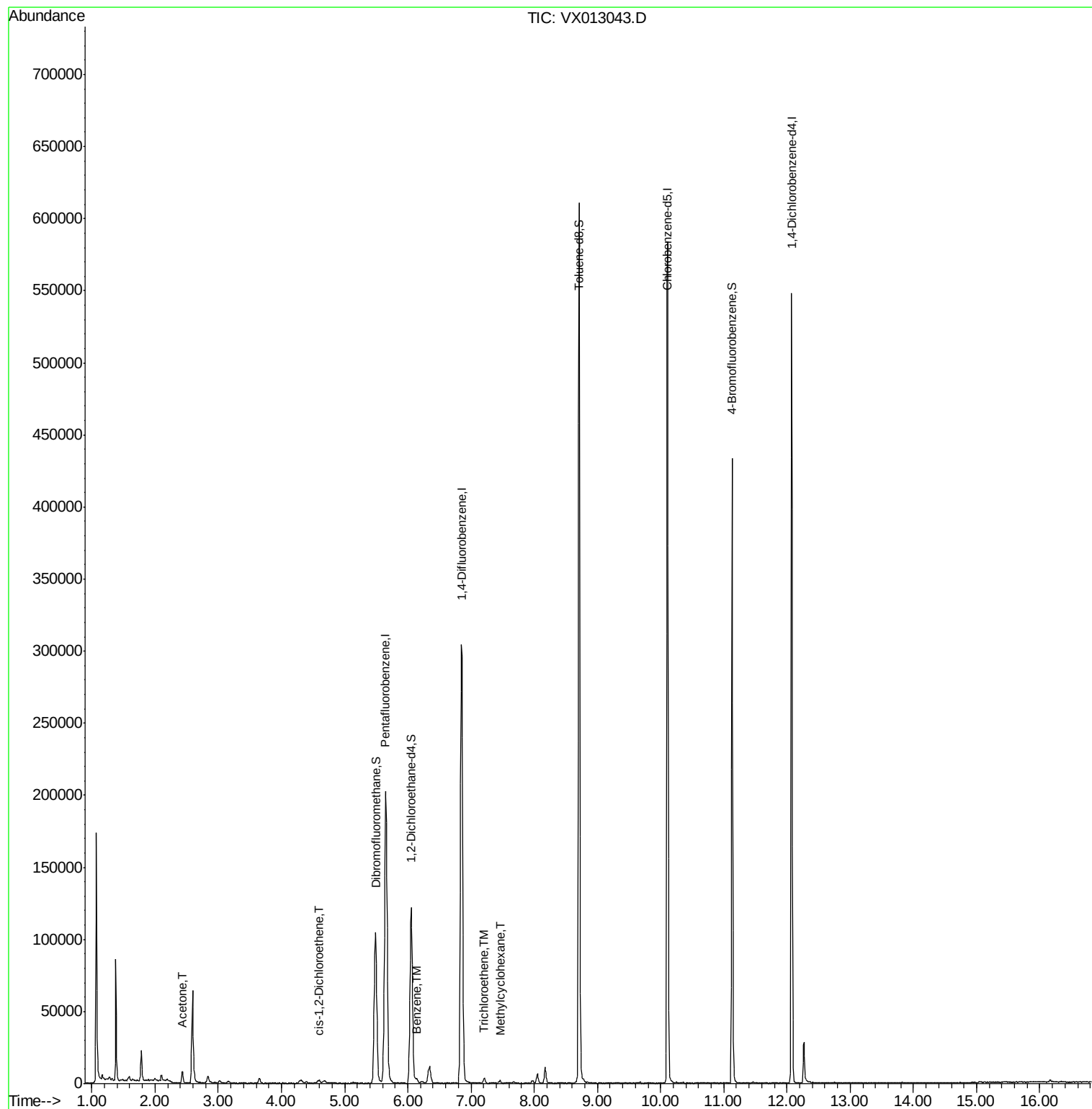
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 190825   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 309446   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 266011   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 108364   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 118767   | 49.80 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.60%  |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 92578    | 52.13 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.26% |          |
| 50) Toluene-d8              | 8.71  | 98   | 362513   | 52.33 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.66% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 126031   | 46.82 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.64%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.43  | 43   | 8509     | 6.768 | ug/l    | 96       |
| 27) cis-1,2-Dichloroethene  | 4.60  | 96   | 1292     | 0.542 | ug/l    | 74       |
| 39) Methylcyclohexane       | 7.46  | 83   | 891      | 0.270 | ug/l #  | 91       |
| 40) Benzene                 | 6.14  | 78   | 3310     | 0.412 | ug/l    | 92       |
| 44) Trichloroethene         | 7.21  | 130  | 1665     | 0.747 | ug/l    | 95       |

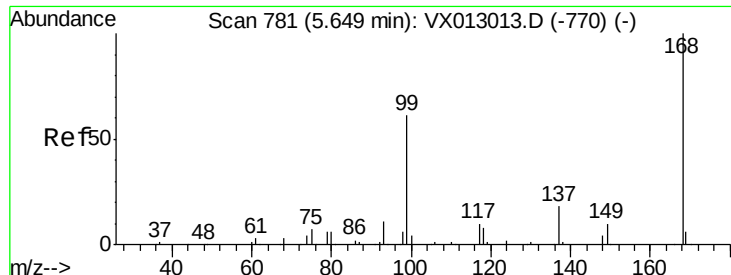
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101419\  
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FA19-JBW7330A

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X100819W.M  
Quant Title : SW846 8260  
QLast Update : Fri Oct 11 09:48:22 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX013043.D

Acq: 14 Oct 2019 11:49

Instrument :

MSVOA\_X

ClientSampleId :

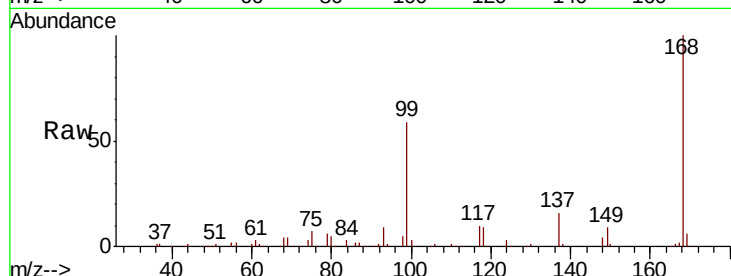
FA19-JBW7330A

Tot Ion:168 Resp: 190825

Ion Ratio Lower Upper

168 100

99 59.2 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

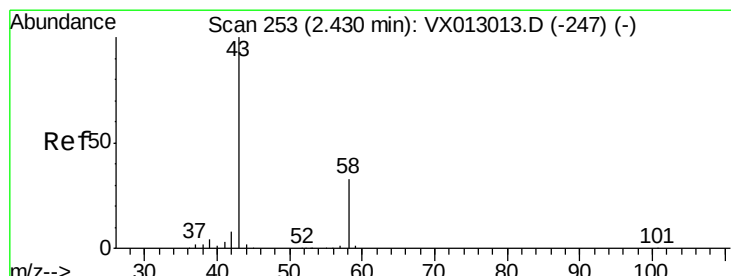
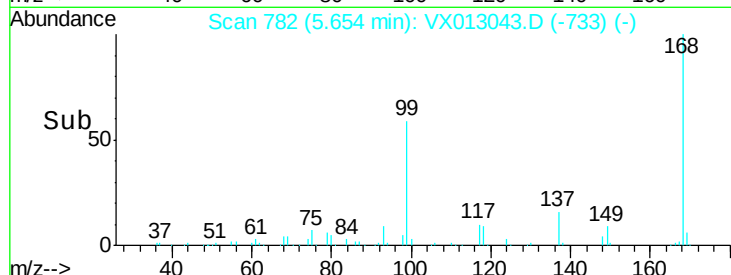
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 6.768 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX013043.D

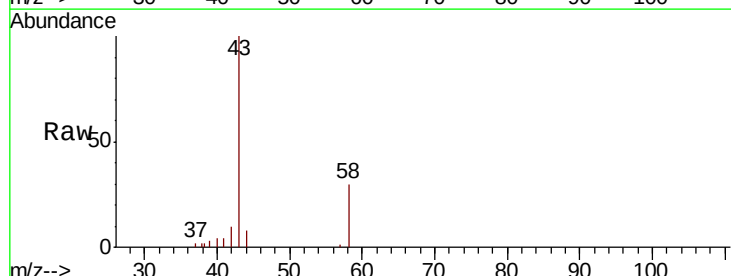
Acq: 14 Oct 2019 11:49

Tgt Ion: 43 Resp: 8509

Ion Ratio Lower Upper

43 100

58 29.6 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

6000

5000

4000

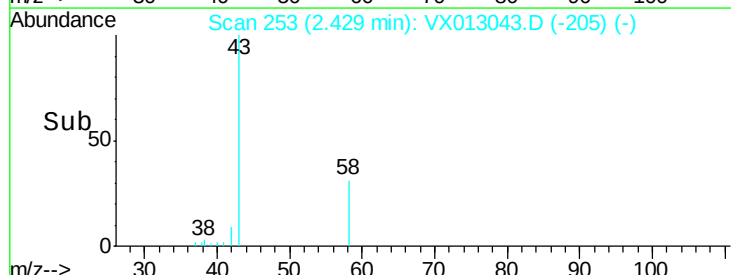
3000

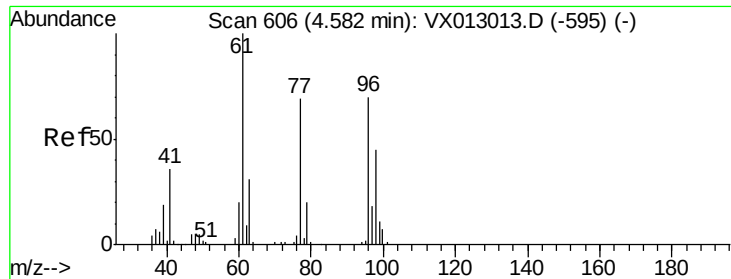
2000

1000

0

Time--> 2.35 2.40 2.45 2.50





#27

cis-1,2-Dichloroethene

Concen: 0.542 ug/l

RT: 4.60 min Scan# 609

Delta R.T. 0.01 min

Lab File: VX013043.D

Acq: 14 Oct 2019 11:49

Instrument :

MSVOA\_X

ClientSampleId :

FA19-JBW7330A

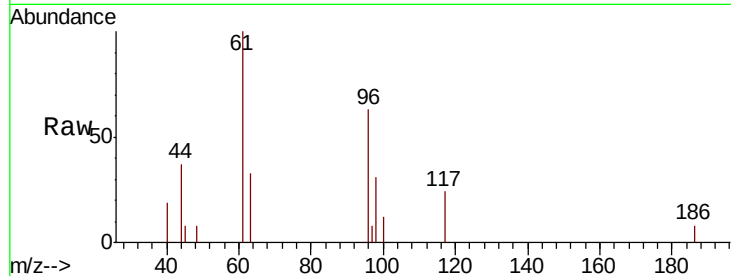
Tot Ion: 96 Resp: 1292

Ion Ratio Lower Upper

96 100

61 184.0 0.0 290.6

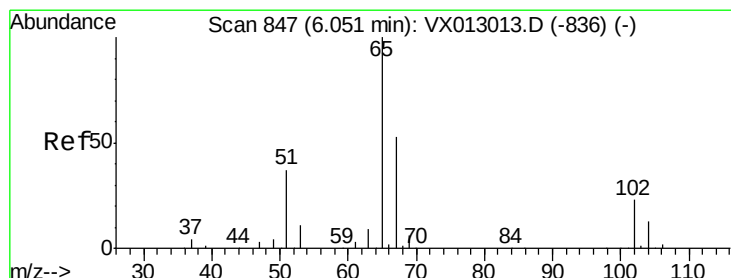
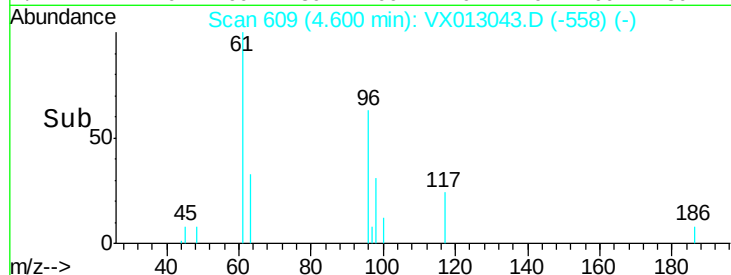
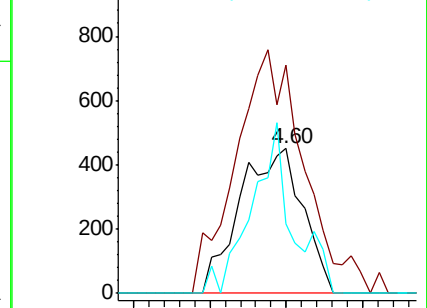
98 75.9 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.796 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX013043.D

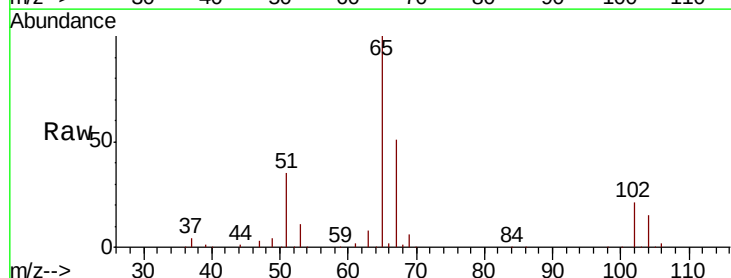
Acq: 14 Oct 2019 11:49

Tgt Ion: 65 Resp: 118767

Ion Ratio Lower Upper

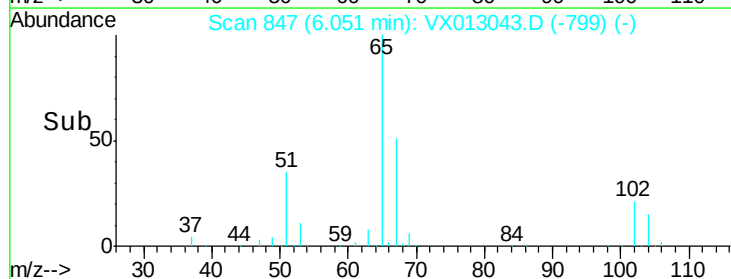
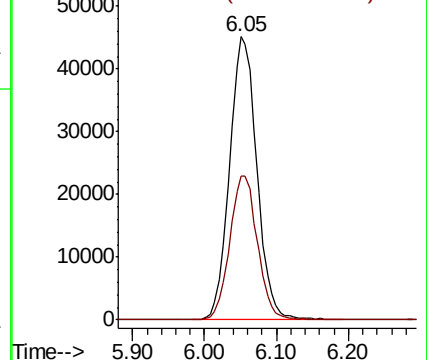
65 100

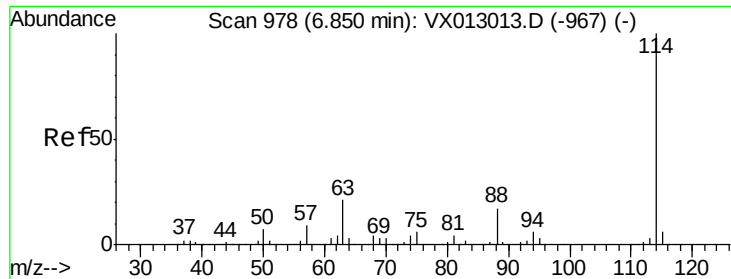
67 51.5 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

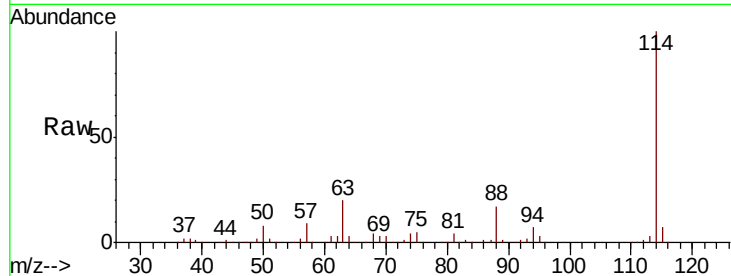




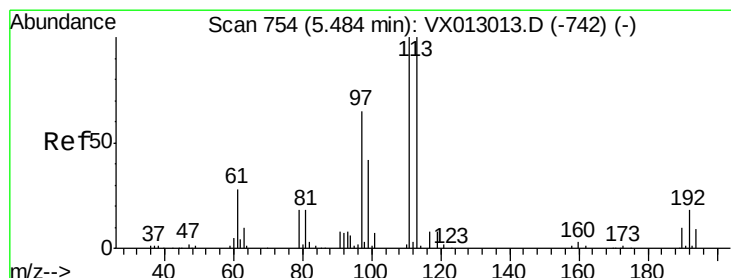
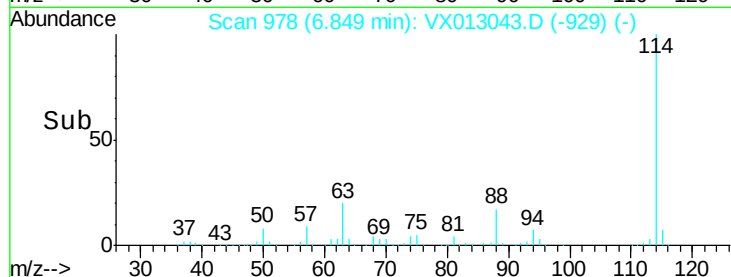
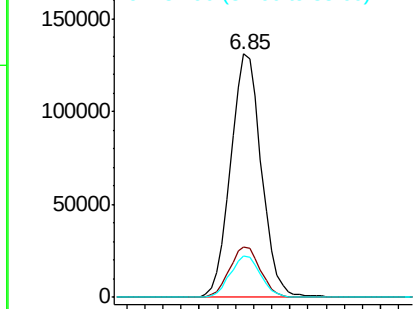
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.85 min Scan# 978  
Delta R.T. -0.00 min  
Lab File: VX013043.D  
Acq: 14 Oct 2019 11:49

Instrument :  
MSVOA\_X  
ClientSampleId :  
FA19-JBW7330A

Tot Ion:114 Resp: 309446  
Ion Ratio Lower Upper  
114 100  
63 20.4 0.0 40.8  
88 17.1 0.0 33.8

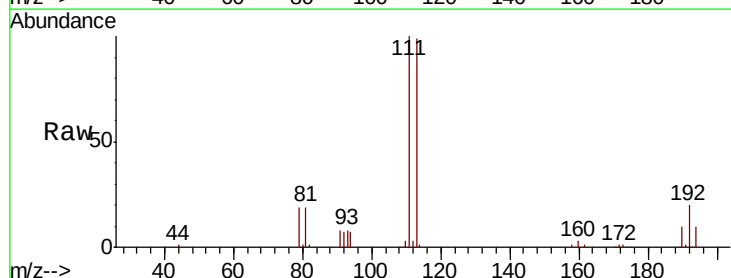


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VX0  
Ion 87.90 (87.60 to 88.60): VX0

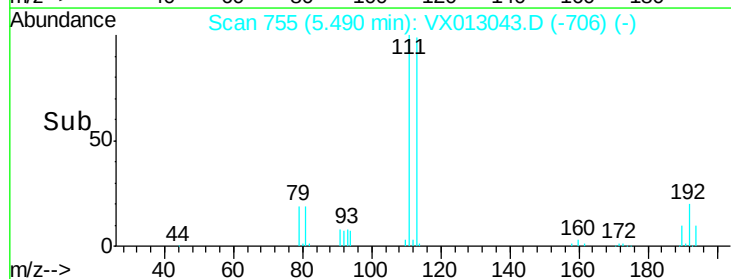
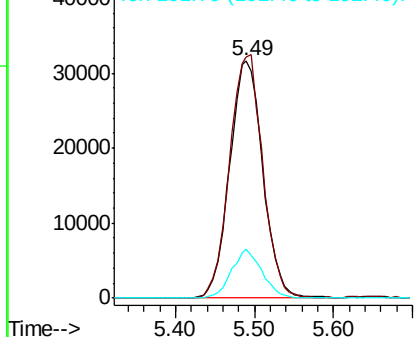


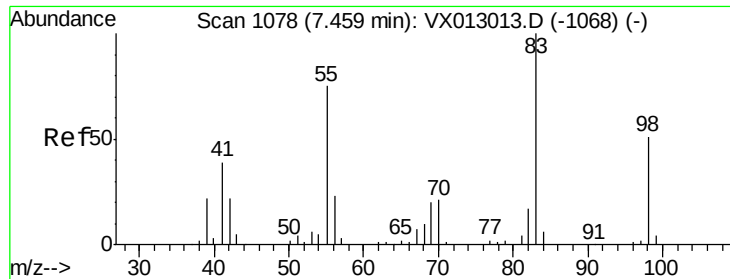
#35  
Dibromofluoromethane  
Concen: 52.126 ug/l  
RT: 5.49 min Scan# 755  
Delta R.T. -0.00 min  
Lab File: VX013043.D  
Acq: 14 Oct 2019 11:49

Tgt Ion:113 Resp: 92578  
Ion Ratio Lower Upper  
113 100  
111 102.1 83.2 124.8  
192 18.9 15.4 23.2



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

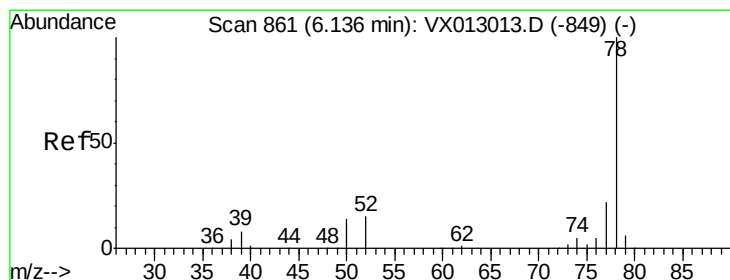
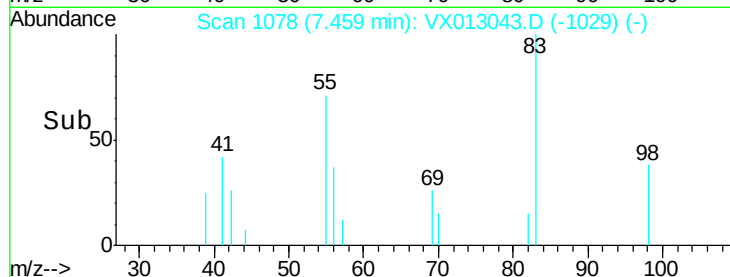
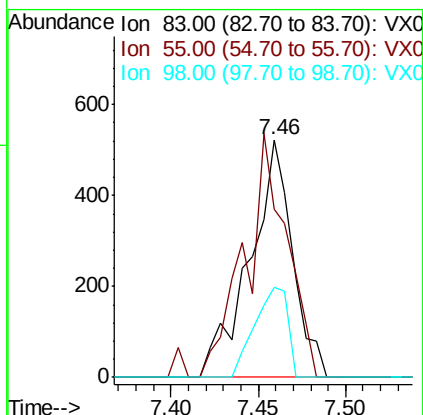
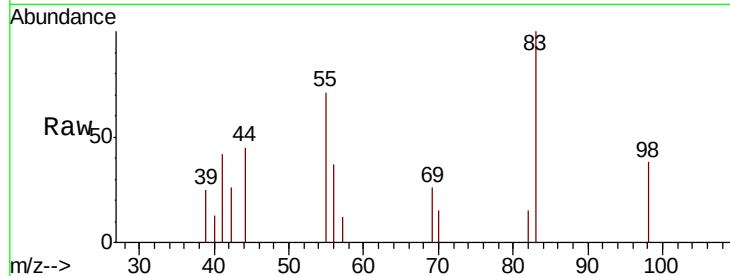




#39  
Methylvlcyclohexane  
Concen: 0.270 ug/l  
RT: 7.46 min Scan# 1078  
Delta R.T. -0.00 min  
Lab File: VX013043.D  
Acq: 14 Oct 2019 11:49

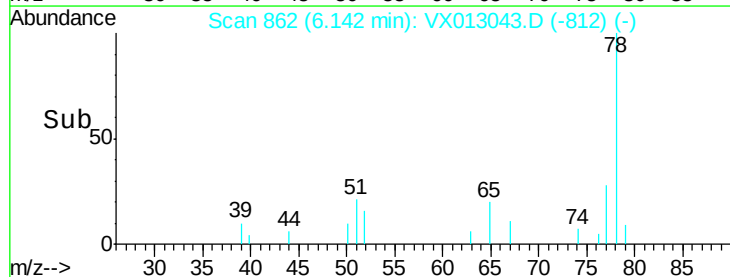
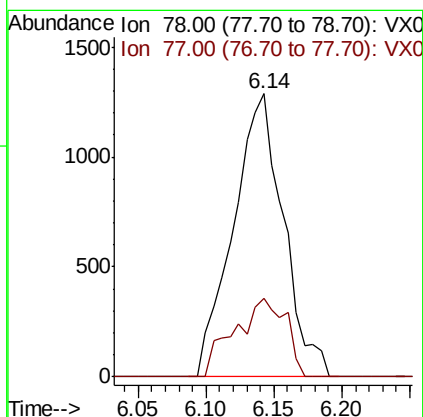
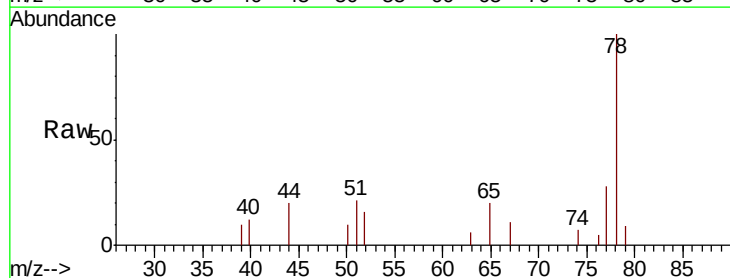
Instrument :  
MSVOA\_X  
ClientSampleId :  
FA19-JBW7330A

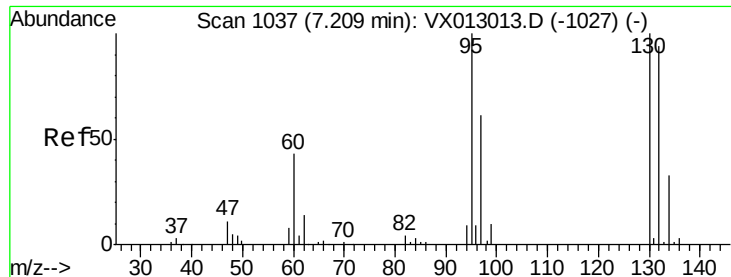
Tot Ion: 83 Resp: 891  
Ion Ratio Lower Upper  
83 100  
55 70.9 60.2 90.4  
98 37.7 38.5 57.7#



#40  
Benzene  
Concen: 0.412 ug/l  
RT: 6.14 min Scan# 862  
Delta R.T. 0.01 min  
Lab File: VX013043.D  
Acq: 14 Oct 2019 11:49

Tgt Ion: 78 Resp: 3310  
Ion Ratio Lower Upper  
78 100  
77 27.8 19.0 28.4





#44

Trichloroethene

Concen: 0.747 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX013043.D

Acq: 14 Oct 2019 11:49

Instrument :

MSVOA\_X

ClientSampleId :

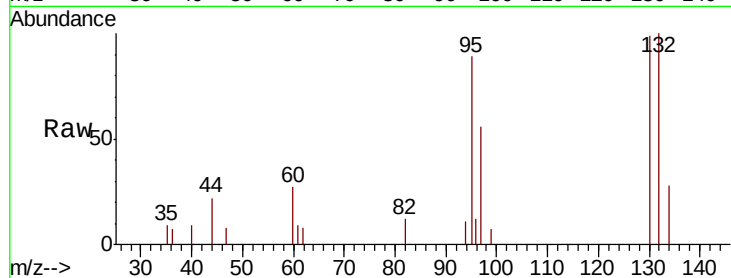
FA19-JBW7330A

Tot Ion:130 Resp: 1665

Ion Ratio Lower Upper

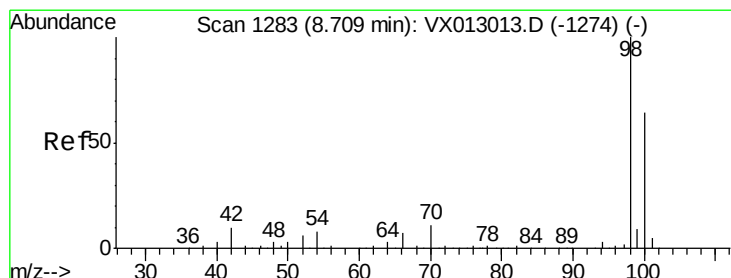
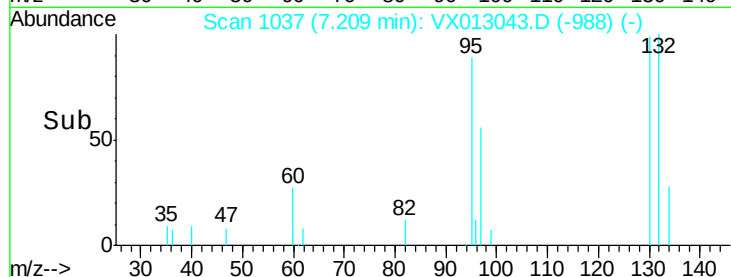
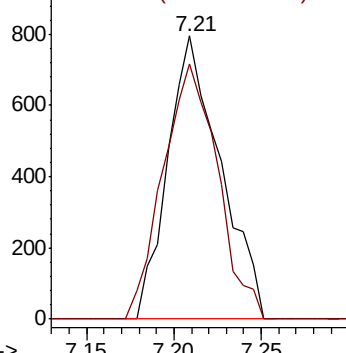
130 100

95 90.2 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 52.333 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013043.D

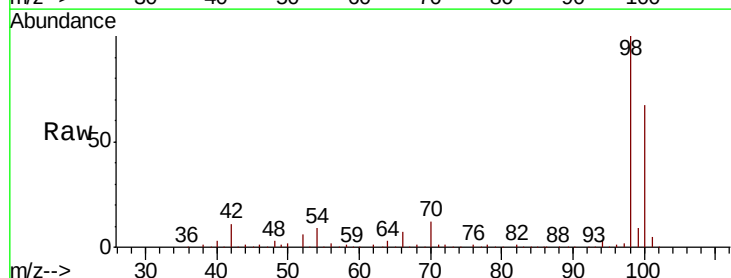
Acq: 14 Oct 2019 11:49

Tgt Ion: 98 Resp: 362513

Ion Ratio Lower Upper

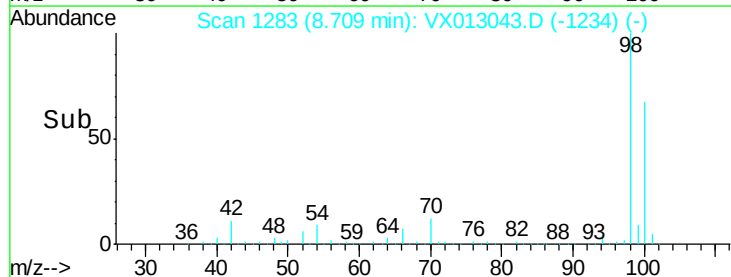
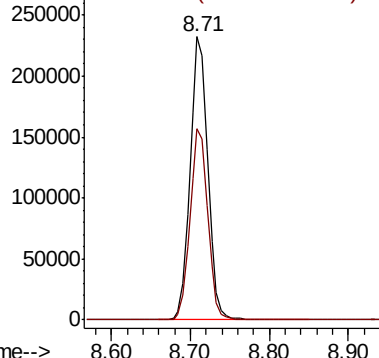
98 100

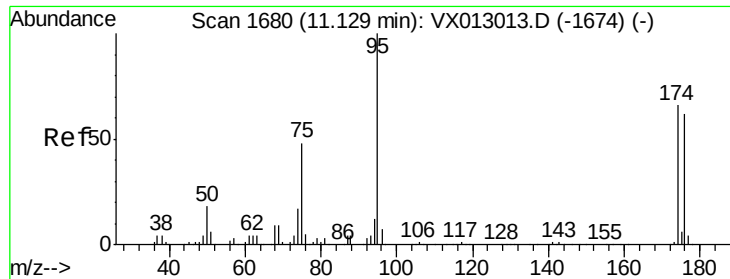
100 67.6 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

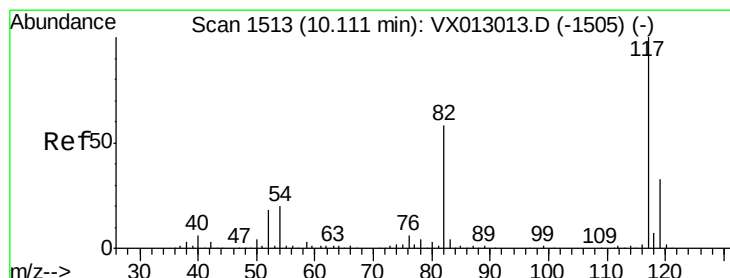
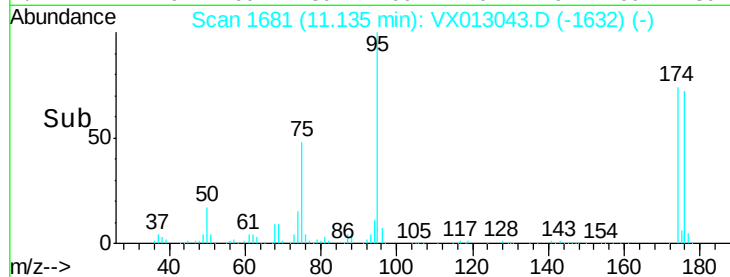
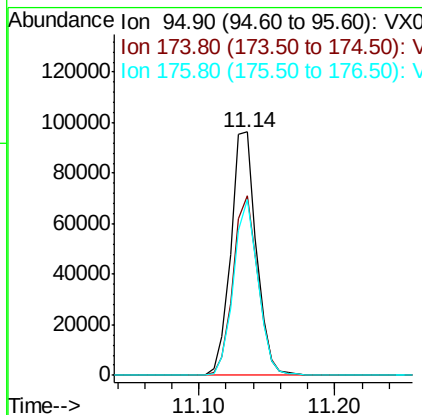
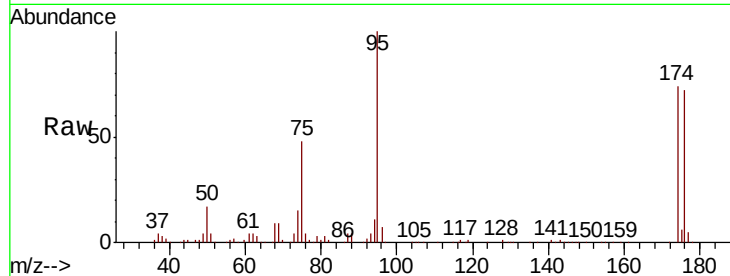




#62  
 4-Bromofluorobenzene  
 Concen: 46.825 ug/l  
 RT: 11.14 min Scan# 1681  
 Delta R.T. -0.00 min  
 Lab File: VX013043.D  
 Acq: 14 Oct 2019 11:49

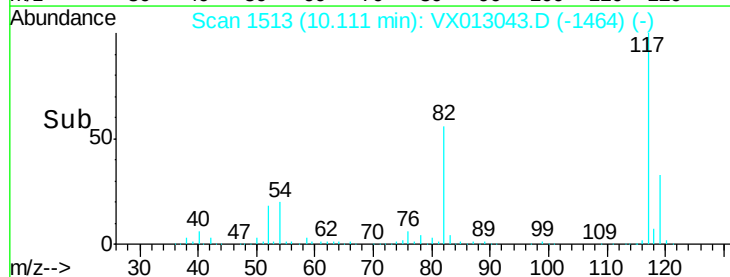
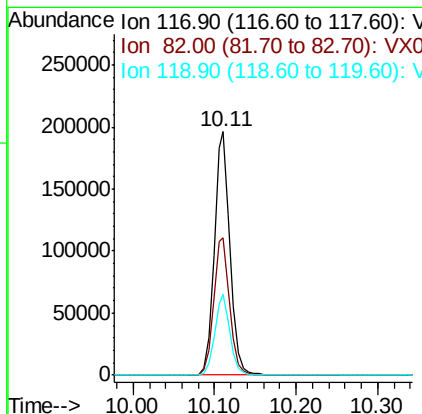
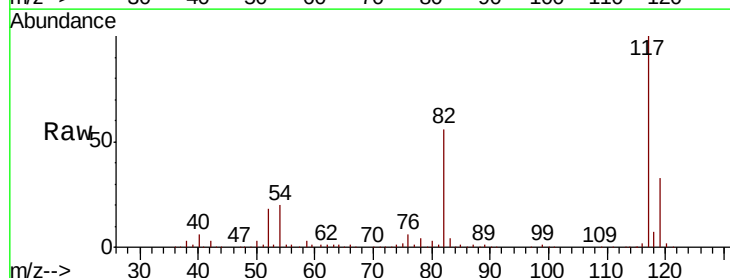
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FA19-JBW7330A

| Tot Ion   | 95   | Resp | 126031 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| Lower     |      |      |        |
| Upper     |      |      |        |
| 174       | 71.9 | 0.0  | 143.4  |
| 176       | 69.2 | 0.0  | 136.0  |

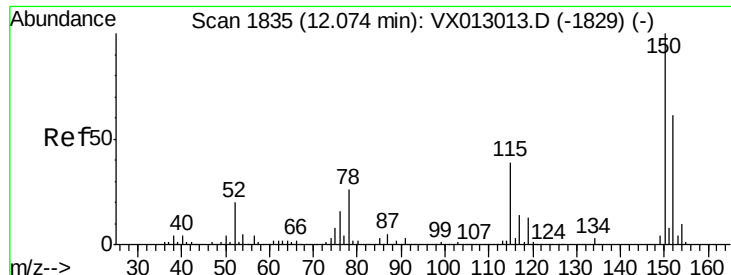


#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 10.11 min Scan# 1513  
 Delta R.T. -0.00 min  
 Lab File: VX013043.D  
 Acq: 14 Oct 2019 11:49

| Tgt Ion                                    | 117  | Resp | 266011 |
|--------------------------------------------|------|------|--------|
| Ion Ratio <td>100</td> <td></td> <td></td> | 100  |      |        |
| Lower                                      |      |      |        |
| Upper                                      |      |      |        |
| 82                                         | 56.5 | 44.1 | 66.1   |
| 119                                        | 33.0 | 25.8 | 38.8   |







#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013043.D

Acq: 14 Oct 2019 11:49

Instrument :

MSVOA\_X

ClientSampleId :

FA19-JBW7330A

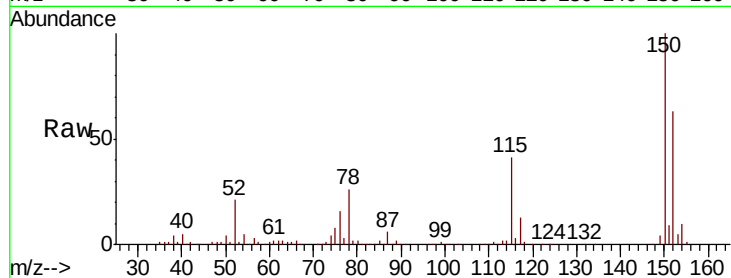
Tot Ion:152 Resp: 108364

Ion Ratio Lower Upper

152 100

115 64.6 44.5 133.5

150 159.1 0.0 353.4



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

