

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100819\  
 Data File : VX012895.D  
 Acq On : 08 Oct 2019 17:27  
 Operator : JC/SP  
 Sample : K5122-05  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FA19-MMW3414

Quant Time: Oct 09 03:17:14 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X100819W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 09 01:51:23 2019  
 Response via : Initial Calibration

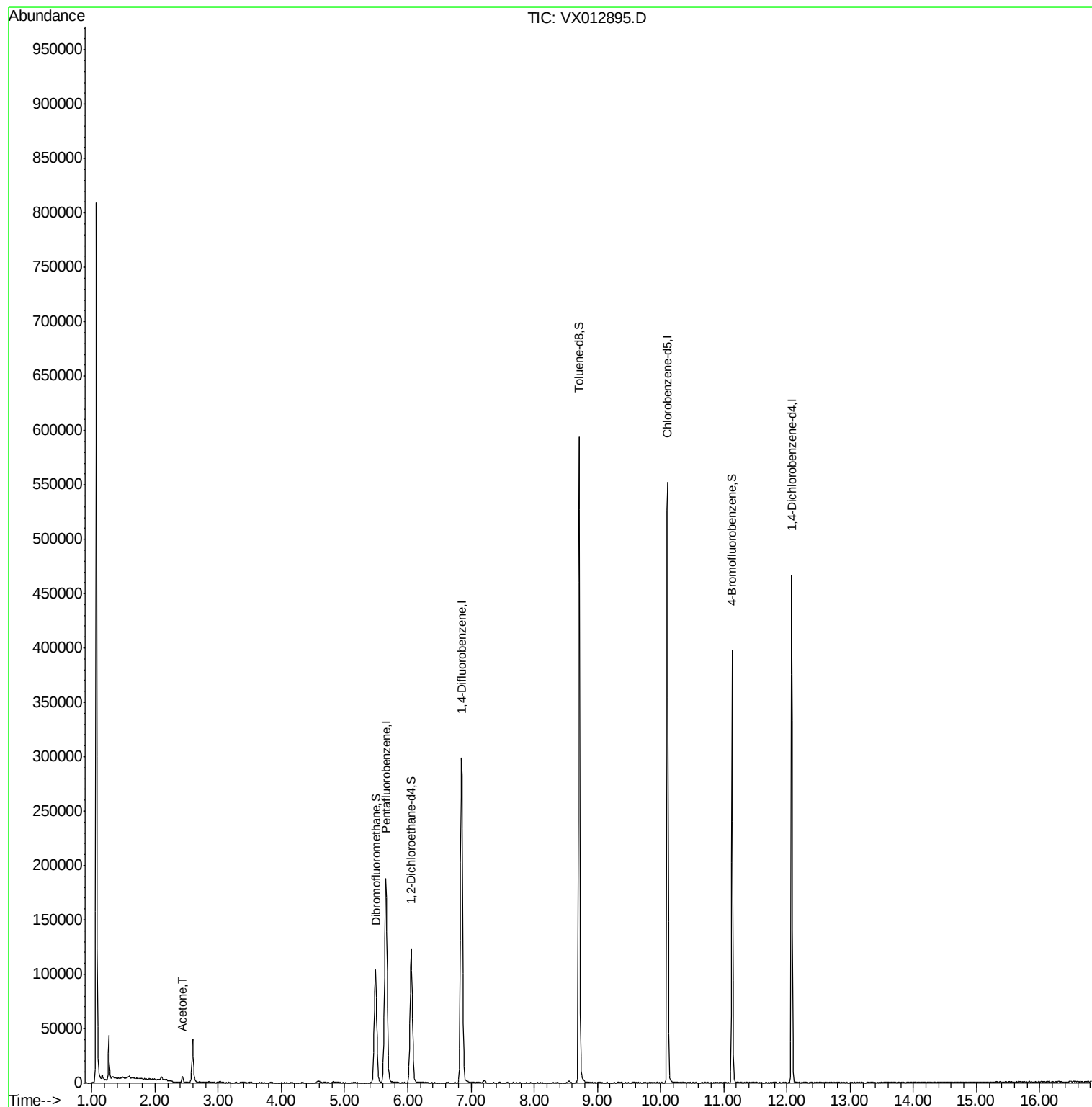
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 176892   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 300348   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 252725   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 90102    | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 115404   | 52.20 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.40% |           |
| 35) Dibromofluoromethane    | 5.49  | 113  | 88653    | 51.43 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.86% |           |
| 50) Toluene-d8              | 8.71  | 98   | 349878   | 52.04 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.08% |           |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 116289   | 44.51 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 89.02%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 16) Acetone                 | 2.44  | 43   | 5977     | 5.129 | ug/l    | Qvalue 97 |

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

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Quant Title : SW846 8260  
QLast Update : Wed Oct 09 01:51:23 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX012895.D

Acq: 08 Oct 2019 17:27

Instrument :

MSVOA\_X

ClientSampleId :

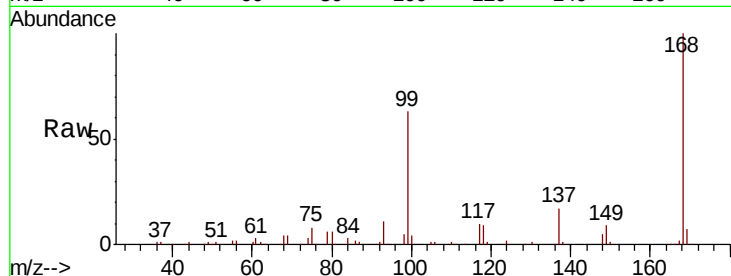
FA19-MMW3414

Tot Ion:168 Resp: 176892

Ion Ratio Lower Upper

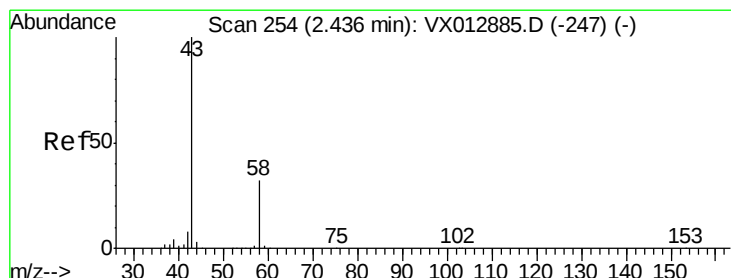
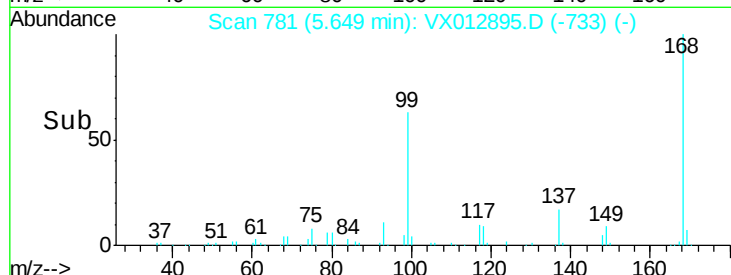
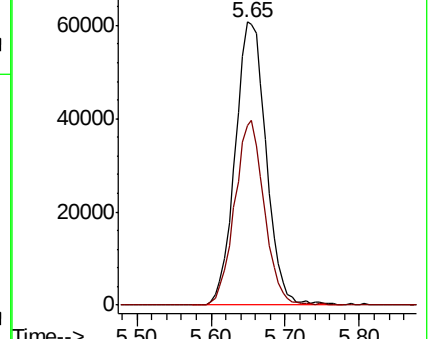
168 100

99 63.5 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 5.129 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012895.D

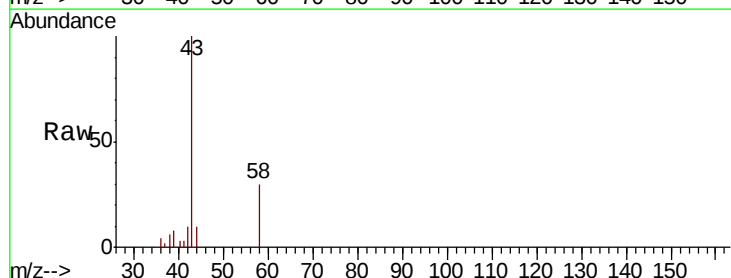
Acq: 08 Oct 2019 17:27

Tgt Ion: 43 Resp: 5977

Ion Ratio Lower Upper

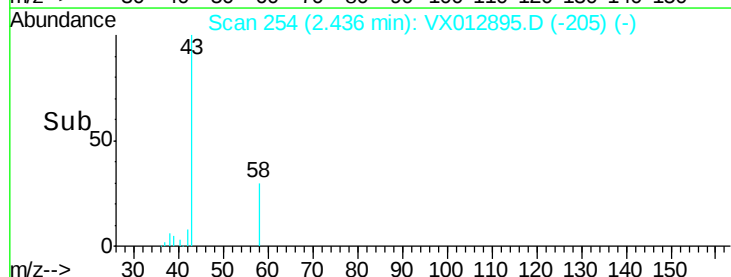
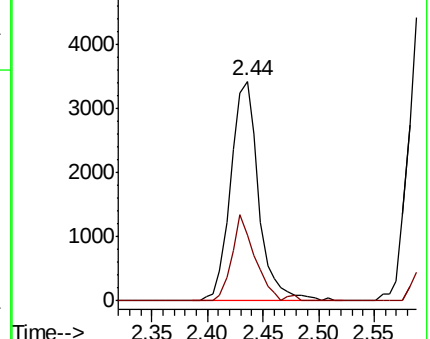
43 100

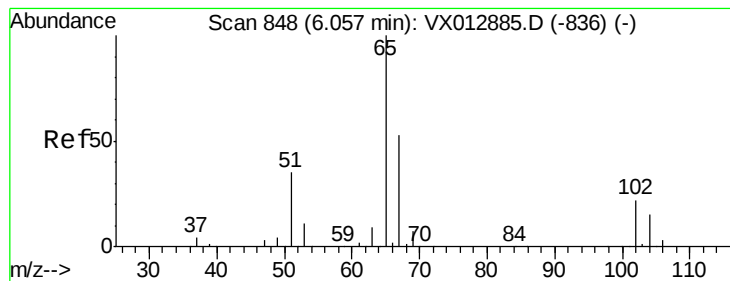
58 29.9 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 52.197 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.00 min

Lab File: VX012895.D

Acq: 08 Oct 2019 17:27

Instrument :

MSVOA\_X

ClientSampleId :

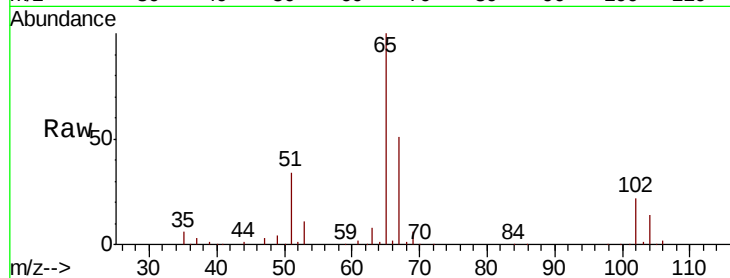
FA19-MMW3414

Tot Ion: 65 Resp: 115404

Ion Ratio Lower Upper

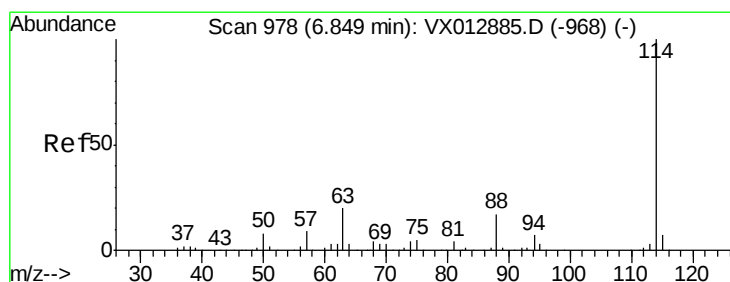
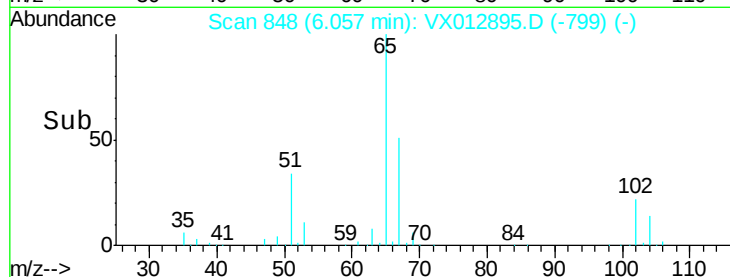
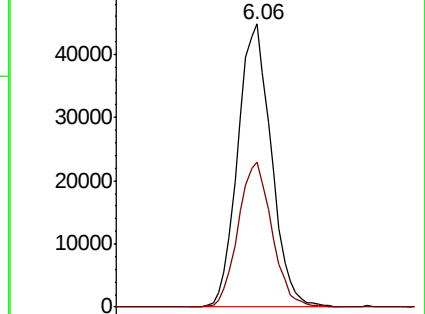
65 100

67 51.4 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: VX012895.D

Acq: 08 Oct 2019 17:27

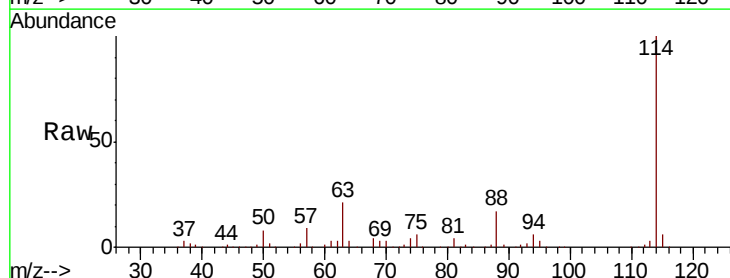
Tgt Ion: 114 Resp: 300348

Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.8

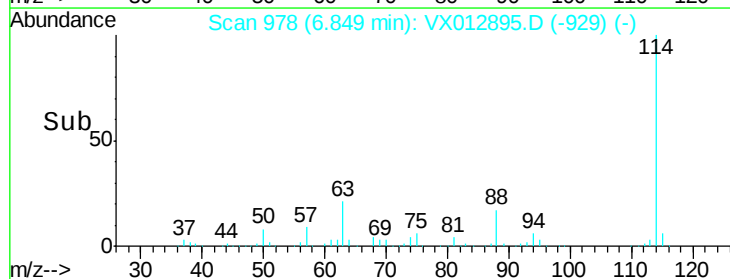
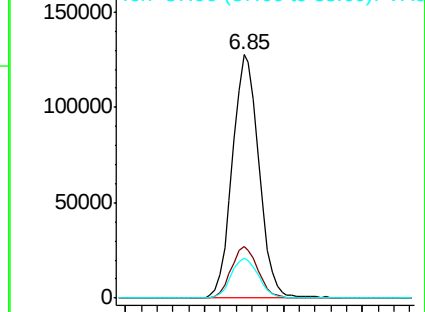
88 16.7 0.0 33.8

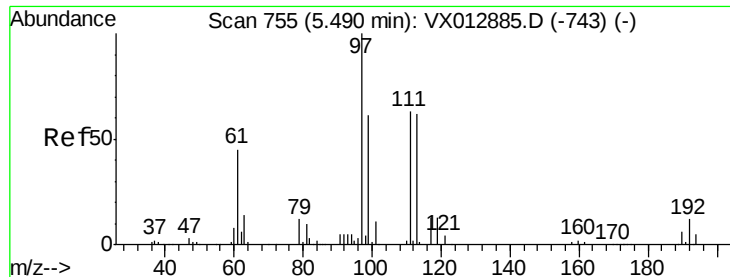


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

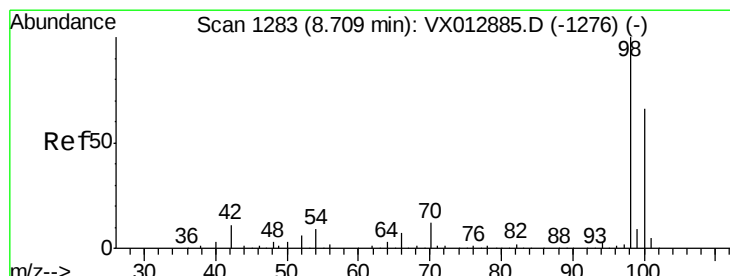
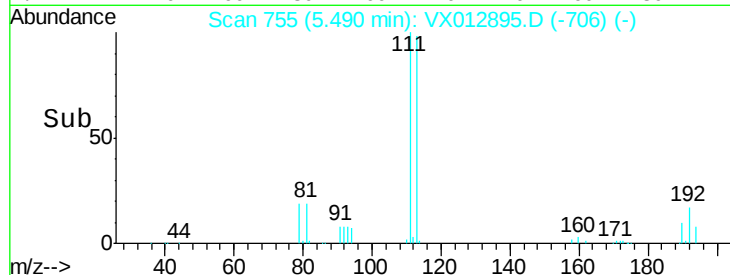
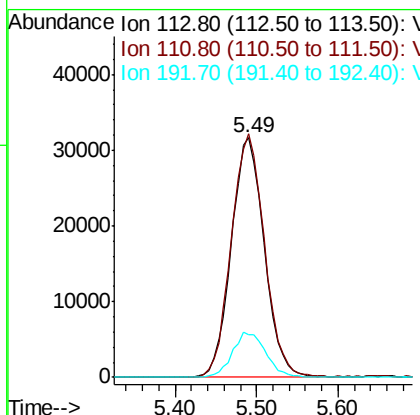
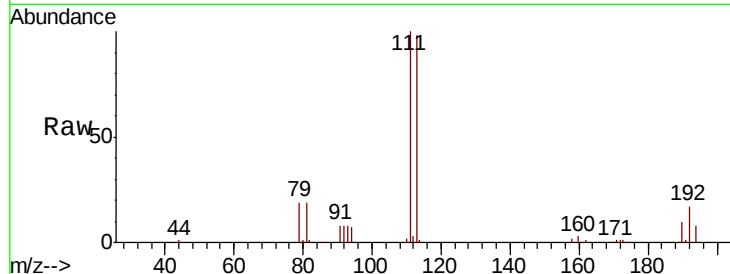




#35  
 Dibromofluoromethane  
 Concen: 51.428 ug/l  
 RT: 5.49 min Scan# 755  
 Delta R.T. 0.00 min  
 Lab File: VX012895.D  
 Acq: 08 Oct 2019 17:27

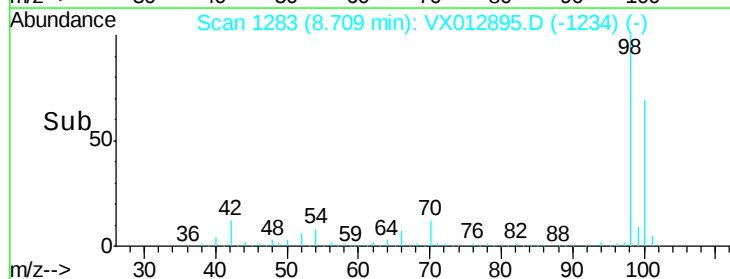
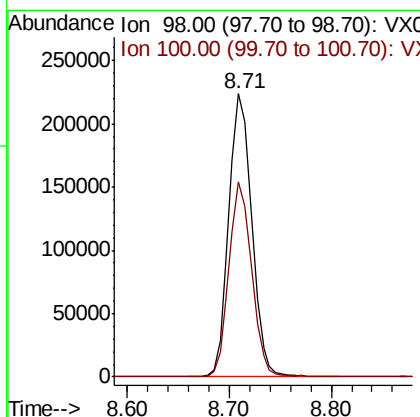
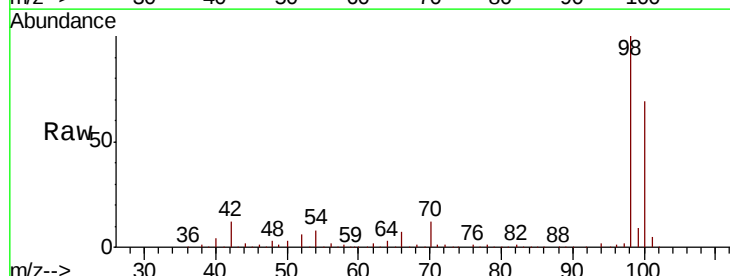
Instrument :  
 MSVOA\_X  
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 FA19-MMW3414

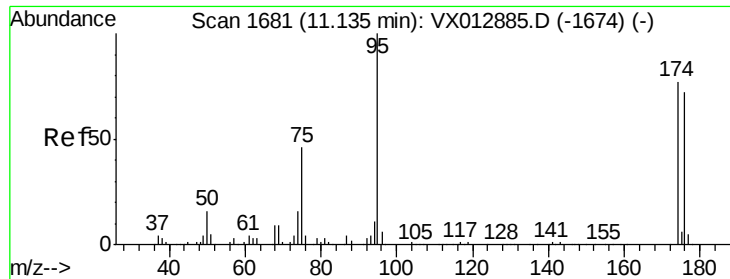
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.6 | 83.2  | 124.8 |
| 192     | 19.0  | 15.4  | 23.2  |



#50  
 Toluene-d8  
 Concen: 52.039 ug/l  
 RT: 8.71 min Scan# 1283  
 Delta R.T. 0.00 min  
 Lab File: VX012895.D  
 Acq: 08 Oct 2019 17:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 68.0  | 53.4  | 80.2  |

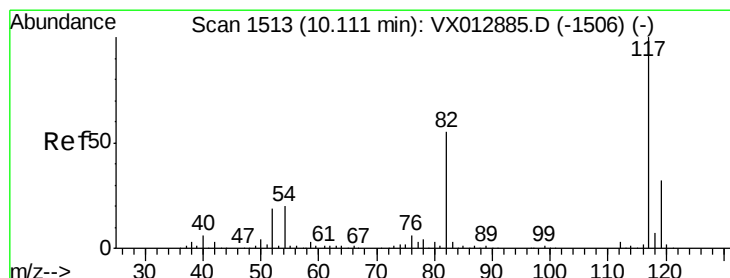
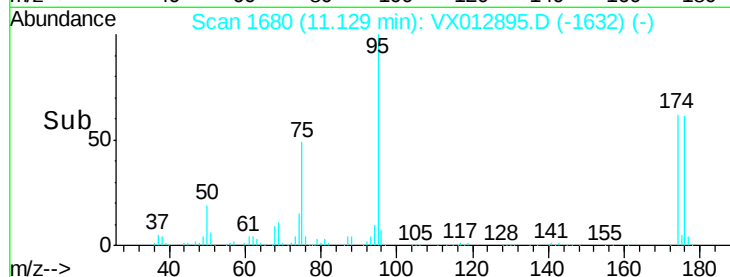
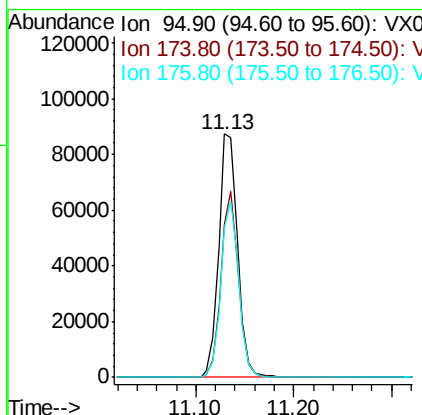
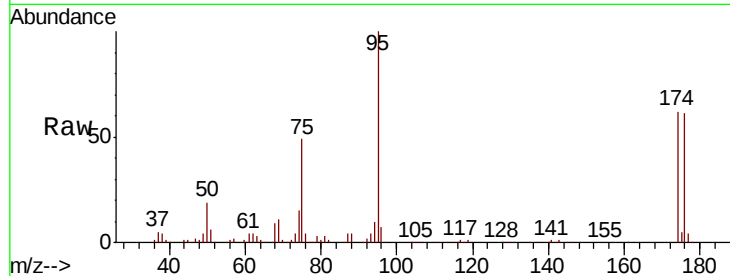




#62  
4-Bromofluorobenzene  
Concen: 44.514 ug/l  
RT: 11.13 min Scan# 1680  
Delta R.T. -0.01 min  
Lab File: VX012895.D  
Acq: 08 Oct 2019 17:27

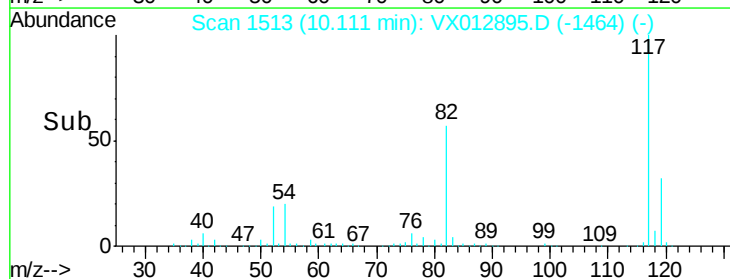
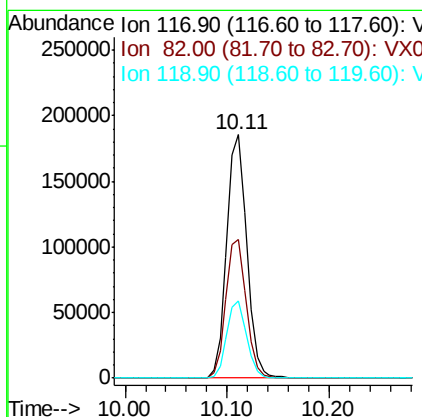
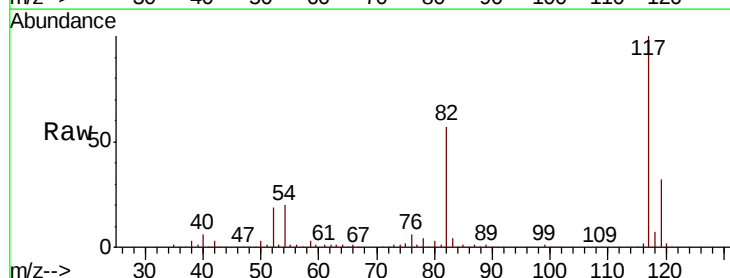
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MSVOA\_X  
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FA19-MMW3414

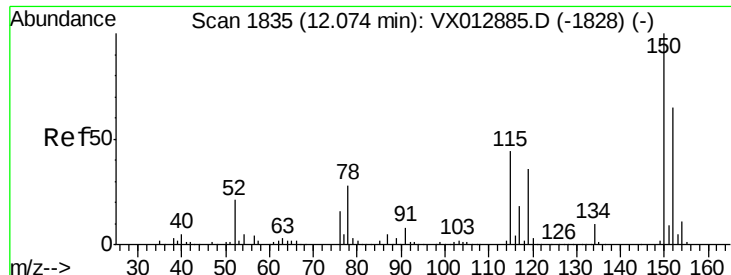
Tot Ion: 95 Resp: 116289  
Ion Ratio Lower Upper  
95 100  
174 70.8 0.0 143.4  
176 68.3 0.0 136.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VX012895.D  
Acq: 08 Oct 2019 17:27

Tgt Ion: 117 Resp: 252725  
Ion Ratio Lower Upper  
117 100  
82 56.7 44.1 66.1  
119 31.8 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: VX012895.D

Acq: 08 Oct 2019 17:27

Instrument :

MSVOA\_X

ClientSampleId :

FA19-MMW3414

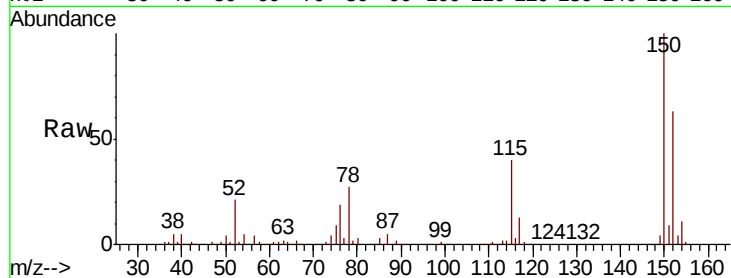
Tot Ion:152 Resp: 90102

Ion Ratio Lower Upper

152 100

115 64.9 44.5 133.5

150 159.4 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

