

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\  
 Data File : VX012964.D  
 Acq On : 10 Oct 2019 00:40  
 Operator : JC/SP  
 Sample : K5260-07  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FA19-MMW0011

Quant Time: Oct 10 07:19:42 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

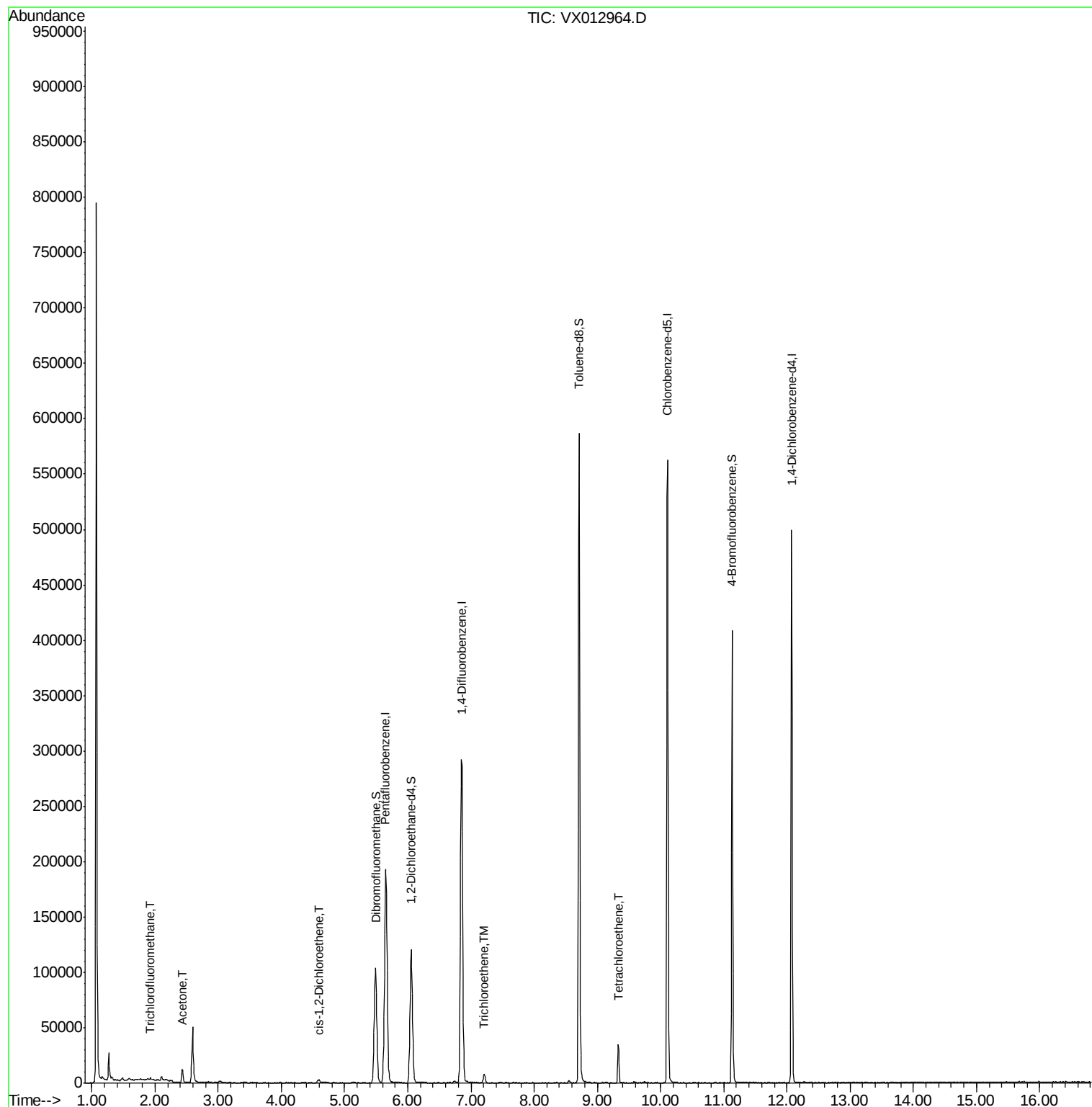
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 178223   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 299399   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 256907   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 96600    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 116103   | 52.12  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.24% |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 88339    | 51.41  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.82% |          |
| 50) Toluene-d8              | 8.71  | 98   | 349833   | 52.20  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.40% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 117758   | 45.22  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 90.44%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 7) Trichlorofluoromethane   | 1.93  | 101  | 1081     | 0.392  | ug/l    | 91       |
| 16) Acetone                 | 2.43  | 43   | 12877    | 10.967 | ug/l    | 99       |
| 27) cis-1,2-Dichloroethene  | 4.59  | 96   | 1497     | 0.673  | ug/l    | 93       |
| 44) Trichloroethene         | 7.21  | 130  | 3336     | 1.547  | ug/l    | 84       |
| 64) Tetrachloroethene       | 9.33  | 164  | 6331     | 3.553  | ug/l    | 93       |

(#) = 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: VX012964.D

Acq: 10 Oct 2019 00:40

Instrument :

MSVOA\_X

ClientSampleId :

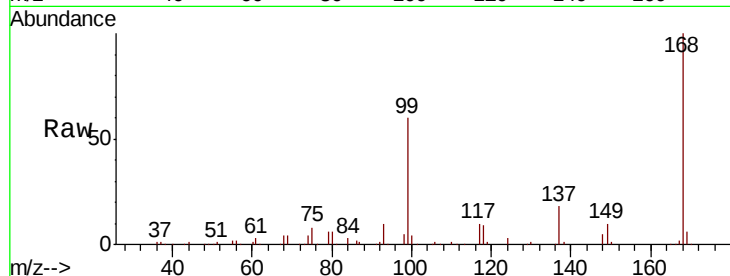
FA19-MMW0011

Tot Ion:168 Resp: 178223

Ion Ratio Lower Upper

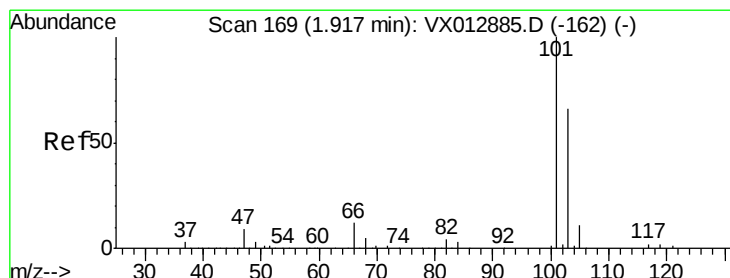
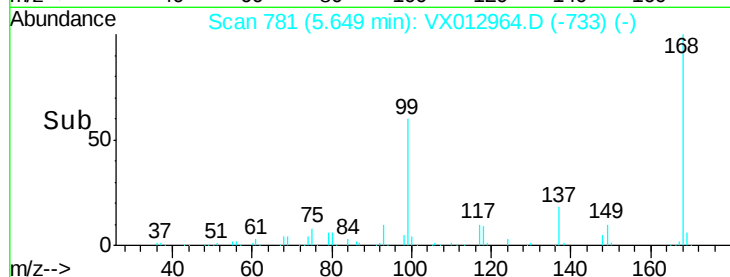
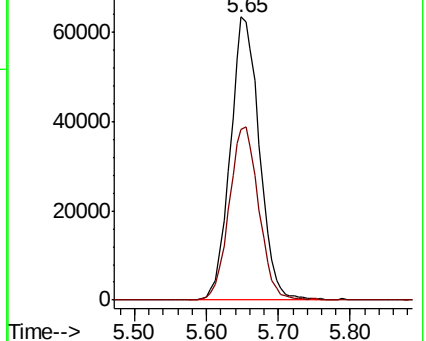
168 100

99 60.3 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#7

Trichlorofluoromethane

Concen: 0.392 ug/l

RT: 1.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VX012964.D

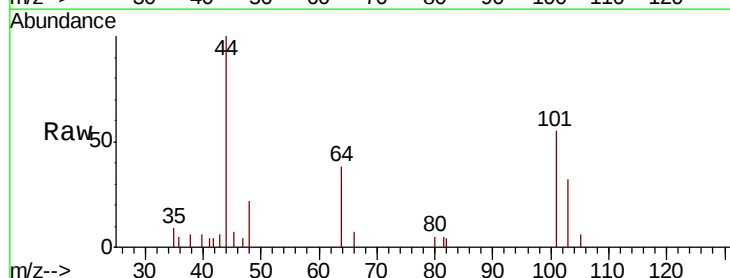
Acq: 10 Oct 2019 00:40

Tgt Ion:101 Resp: 1081

Ion Ratio Lower Upper

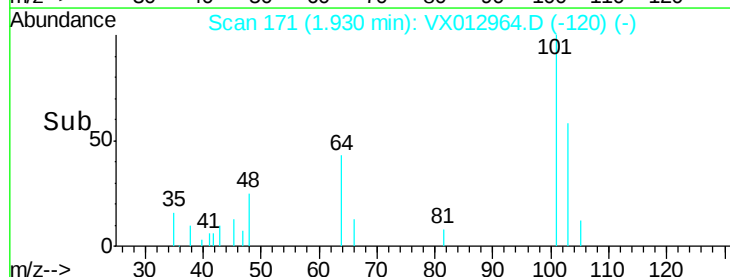
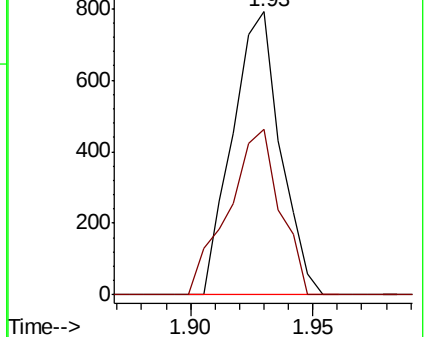
101 100

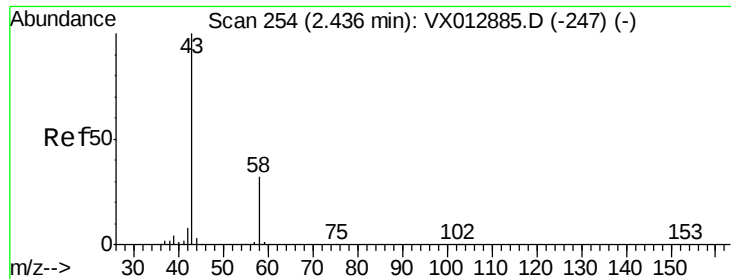
103 58.4 52.5 78.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#16

Acetone

Concen: 10.967 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012964.D

Acq: 10 Oct 2019 00:40

Instrument :

MSVOA\_X

ClientSampleId :

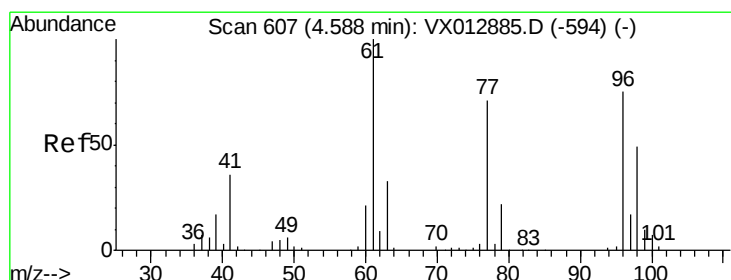
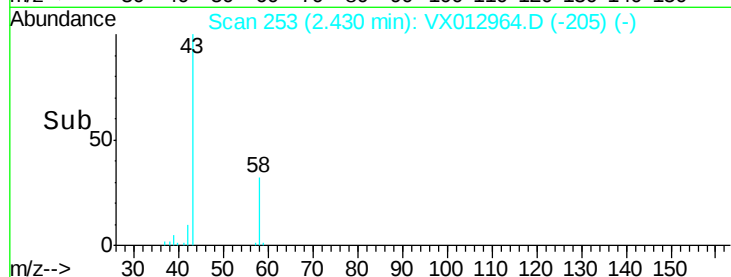
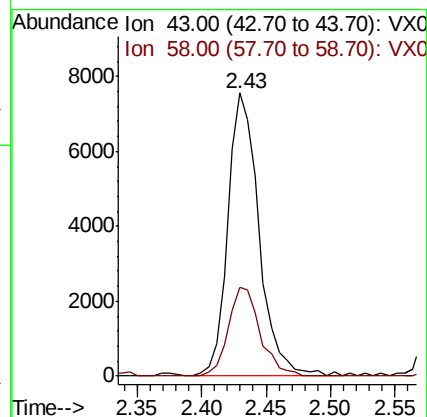
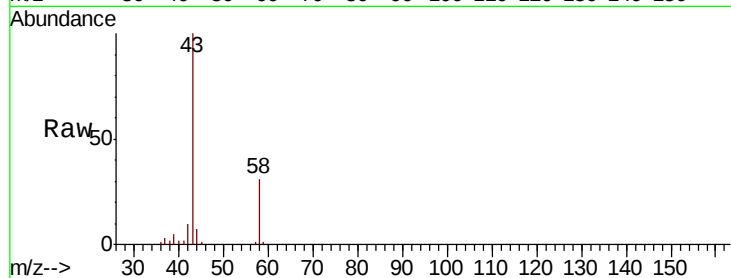
FA19-MMW0011

Tot Ion: 43 Resp: 12877

Ion Ratio Lower Upper

43 100

58 31.3 25.4 38.2



#27

cis-1,2-Dichloroethene

Concen: 0.673 ug/l

RT: 4.59 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX012964.D

Acq: 10 Oct 2019 00:40

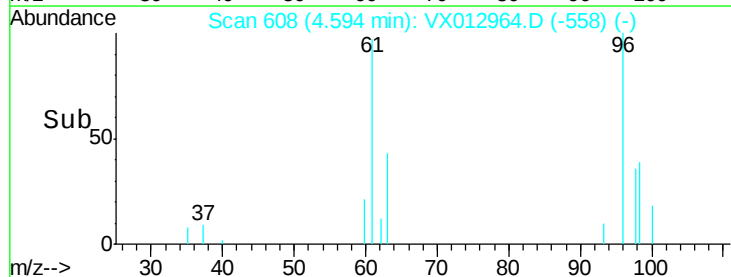
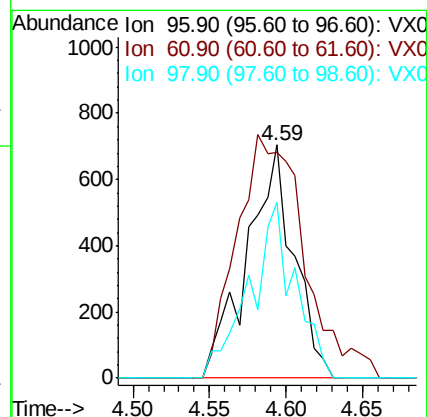
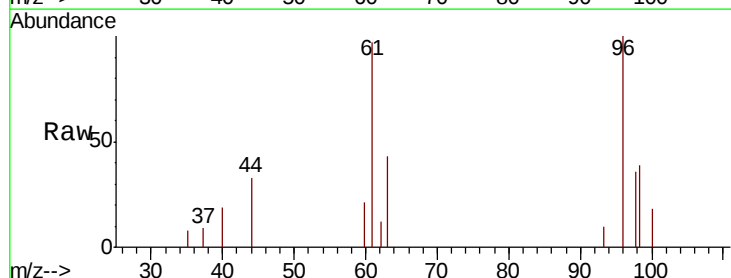
Tgt Ion: 96 Resp: 1497

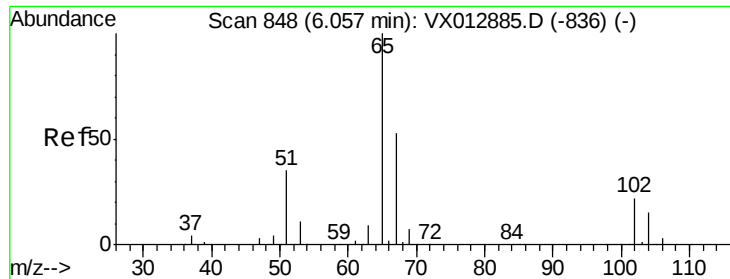
Ion Ratio Lower Upper

96 100

61 150.8 0.0 290.6

98 73.3 0.0 128.8





#33

1,2-Dichloroethane-d4

Concen: 52.121 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX012964.D

Acq: 10 Oct 2019 00:40

Instrument :

MSVOA\_X

ClientSampleId :

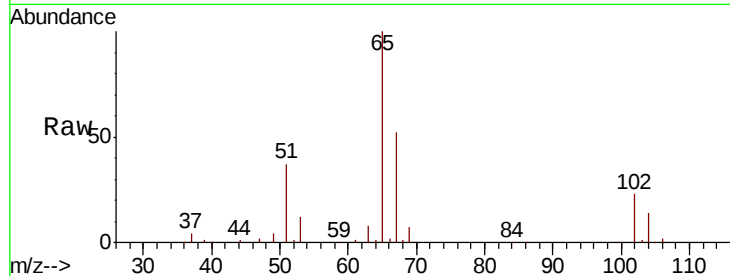
FA19-MMW0011

Tot Ion: 65 Resp: 116103

Ion Ratio Lower Upper

65 100

67 52.8 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

50000

40000

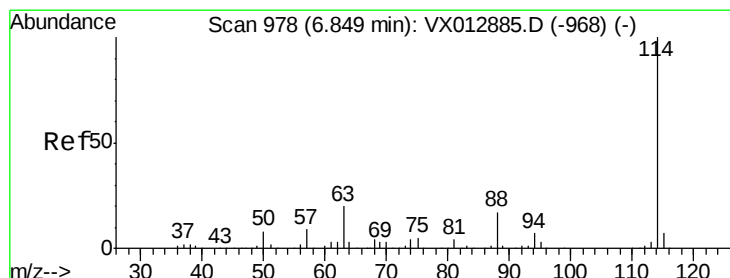
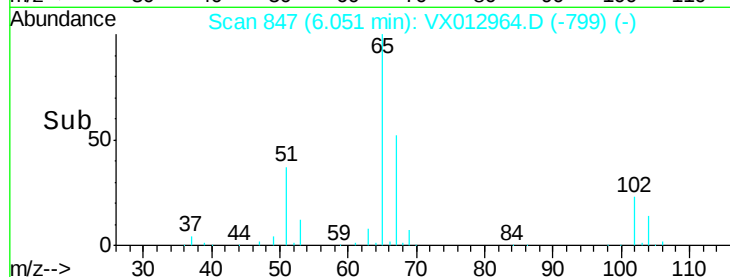
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX012964.D

Acq: 10 Oct 2019 00:40

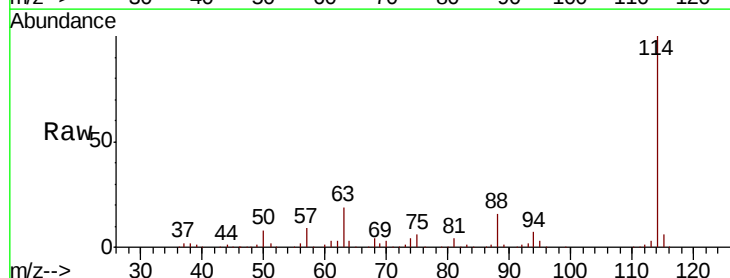
Tgt Ion: 114 Resp: 299399

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.8

88 16.3 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

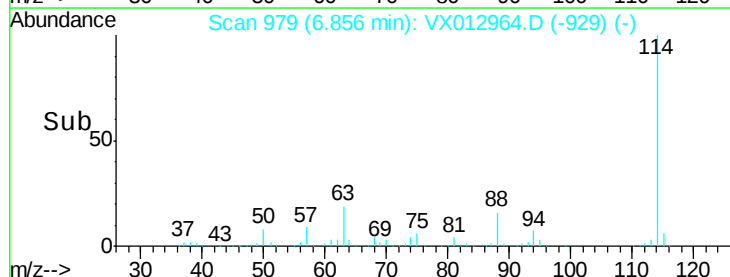
150000

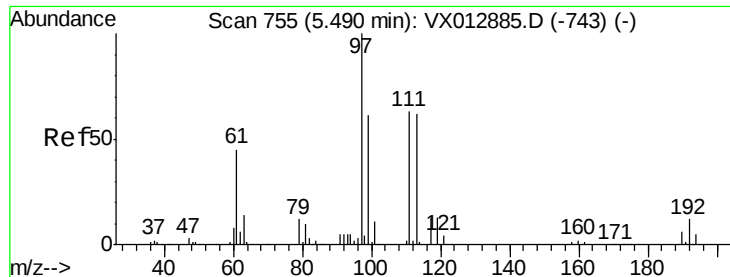
100000

50000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 51.408 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012964.D

Acq: 10 Oct 2019 00:40

Instrument :

MSVOA\_X

ClientSampleId :

FA19-MMW0011

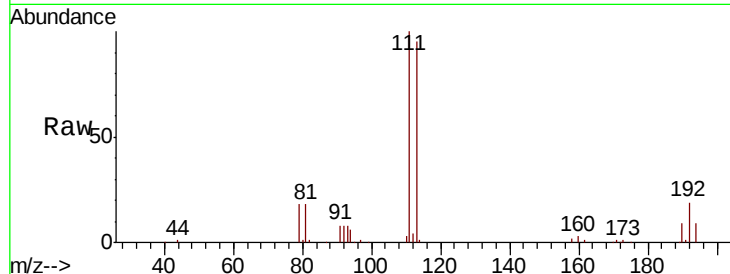
Tot Ion:113 Resp: 88339

Ion Ratio Lower Upper

113 100

111 105.0 83.2 124.8

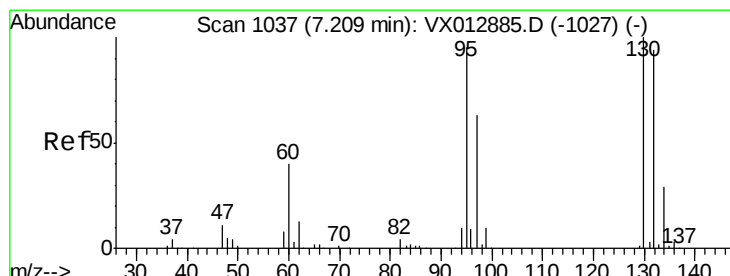
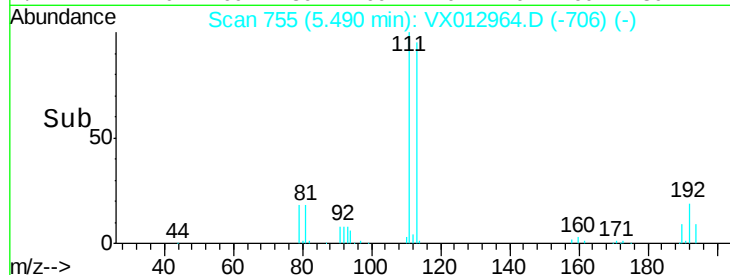
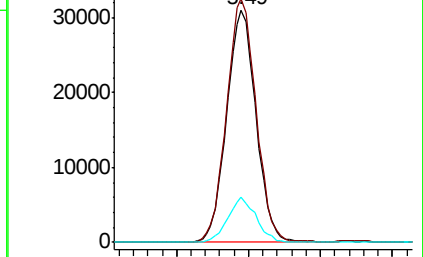
192 18.6 15.4 23.2



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



#44

Trichloroethene

Concen: 1.547 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX012964.D

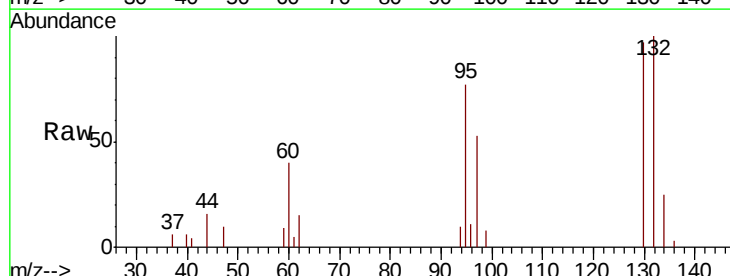
Acq: 10 Oct 2019 00:40

Tgt Ion:130 Resp: 3336

Ion Ratio Lower Upper

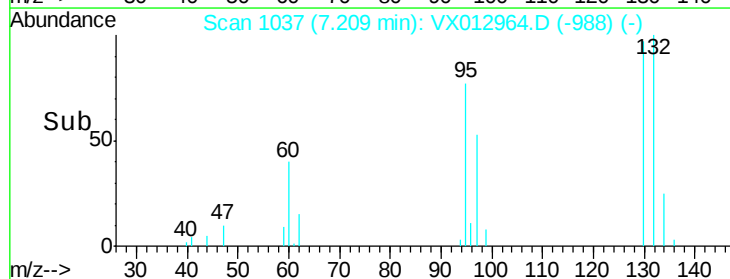
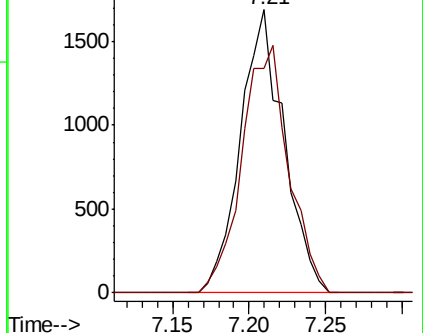
130 100

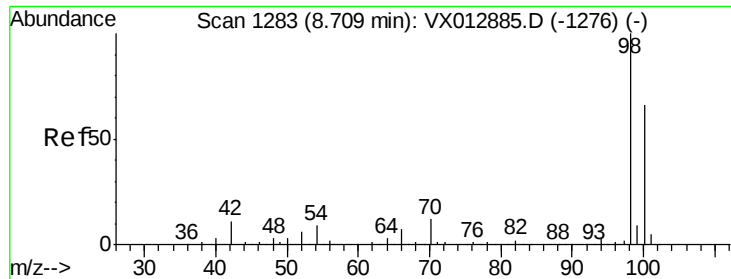
95 79.3 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

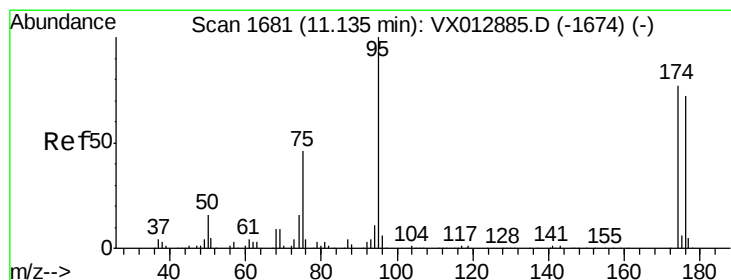
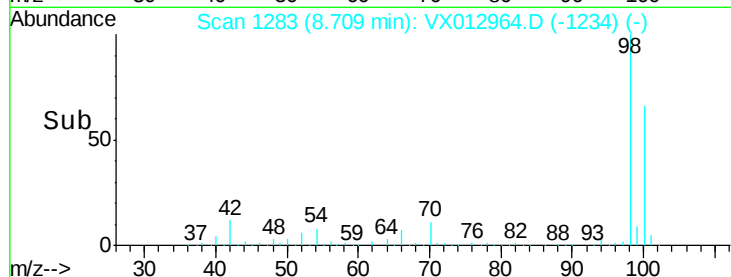
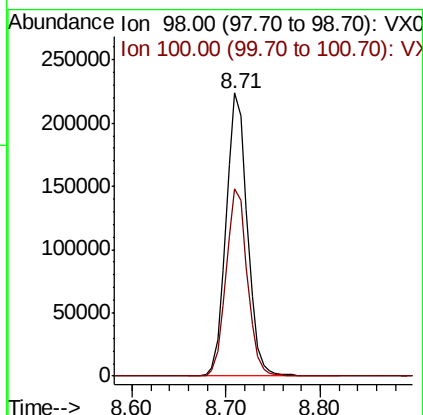
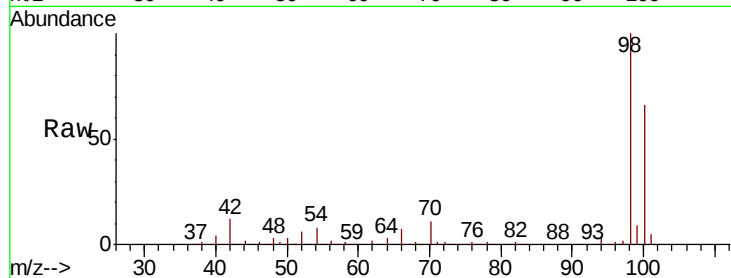




#50  
Toluene-d8  
Concen: 52.197 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. 0.00 min  
Lab File: VX012964.D  
Acq: 10 Oct 2019 00:40

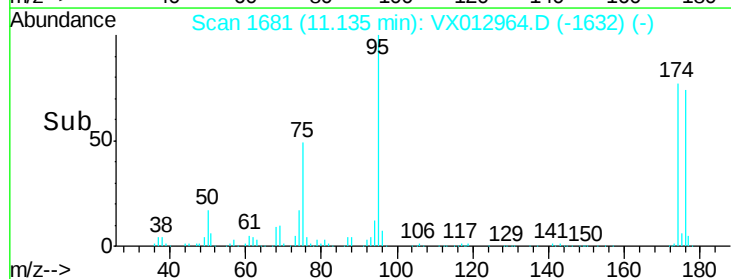
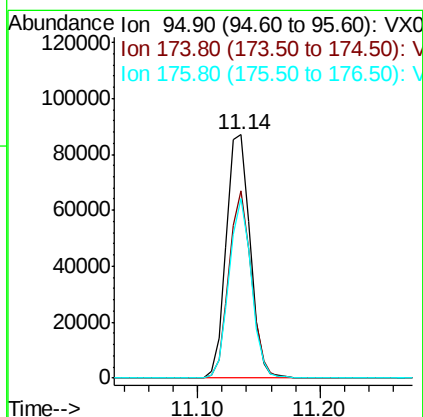
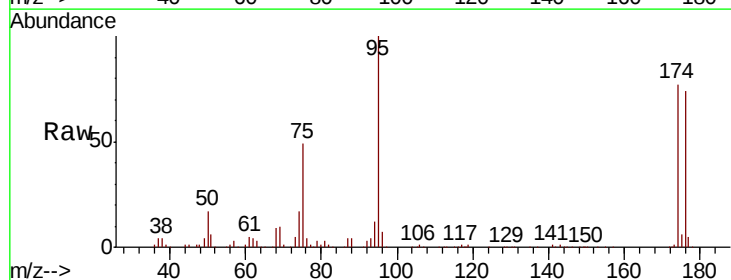
Instrument :  
MSVOA\_X  
ClientSampleId :  
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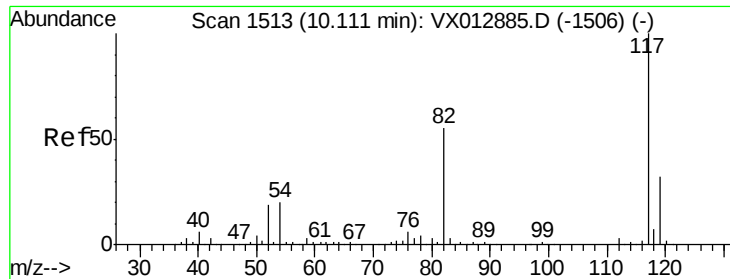
Tot Ion: 98 Resp: 349833  
Ion Ratio Lower Upper  
98 100  
100 66.3 53.4 80.2



#62  
4-Bromofluorobenzene  
Concen: 45.219 ug/l  
RT: 11.14 min Scan# 1681  
Delta R.T. 0.00 min  
Lab File: VX012964.D  
Acq: 10 Oct 2019 00:40

Tgt Ion: 95 Resp: 117758  
Ion Ratio Lower Upper  
95 100  
174 72.1 0.0 143.4  
176 68.6 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: VX012964.D

Acq: 10 Oct 2019 00:40

Instrument :

MSVOA\_X

ClientSampleId :

FA19-MMW0011

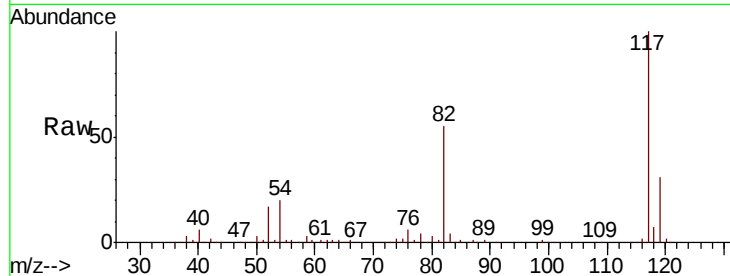
Tot Ion:117 Resp: 256907

Ion Ratio Lower Upper

117 100

82 55.1 44.1 66.1

119 31.3 25.8 38.8



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

250000

200000

150000

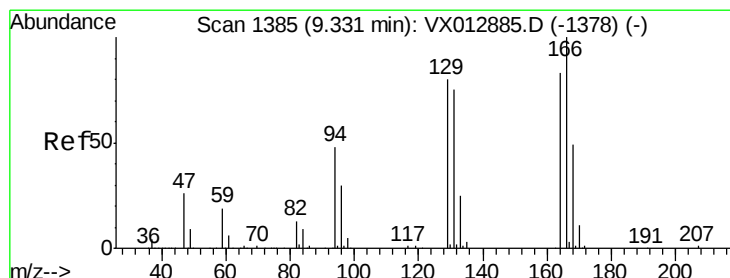
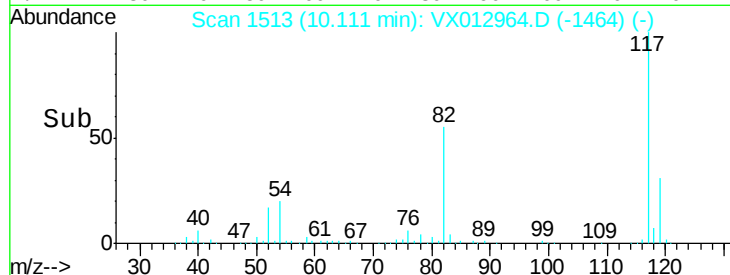
100000

50000

0

10.11

Time--> 10.00 10.10 10.20



#64

Tetrachloroethene

Concen: 3.553 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX012964.D

Acq: 10 Oct 2019 00:40

Tgt Ion:164 Resp: 6331

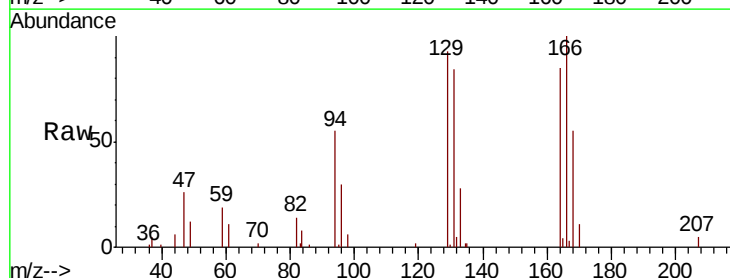
Ion Ratio Lower Upper

164 100

166 117.3 96.9 145.3

129 108.9 77.9 116.9

131 98.3 72.7 109.1



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

8000

6000

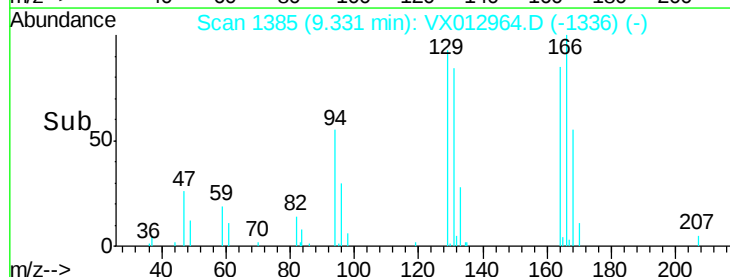
4000

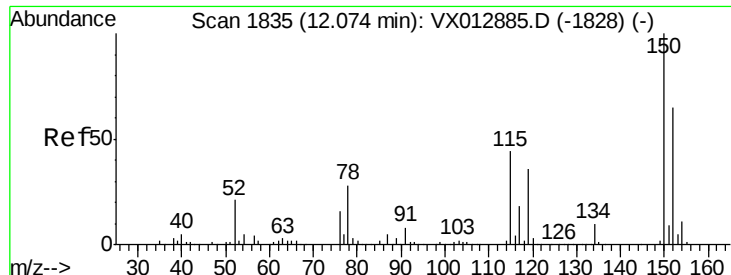
2000

0

9.33

Time--> 9.30 9.35 9.40





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012964.D

Acq: 10 Oct 2019 00:40

Instrument :

MSVOA\_X

ClientSampleId :

FA19-MMW0011

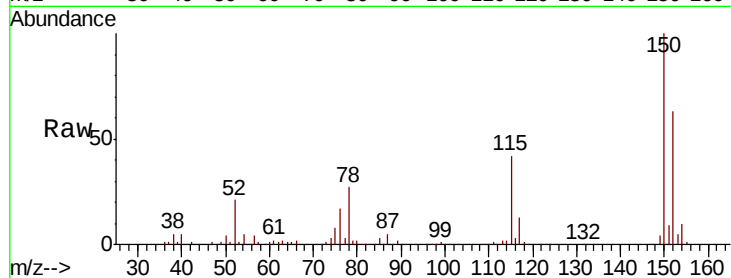
Tot Ion:152 Resp: 96600

Ion Ratio Lower Upper

152 100

115 66.2 44.5 133.5

150 160.4 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

