

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052319\  
 Data File : VX009863.D  
 Acq On : 23 May 2019 17:04  
 Operator : JC/SP  
 Sample : K2976-02 10X  
 Misc : 5.76µ/5mL/100µL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EP1-SB-E2-3R(17-20)

Quant Time: May 24 03:52:36 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 09 07:31:15 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 169677   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 268284   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 246482   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 110592   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.06   | 65  | 114557   | 49.46 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.92%  |      |
| 35) Dibromofluoromethane  | 5.50   | 113 | 81976    | 48.61 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.22%  |      |
| 50) Toluene-d8            | 8.71   | 98  | 346079   | 50.83 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.66% |      |
| 62) 4-Bromofluorobenzene  | 11.13  | 95  | 158537   | 64.08 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 128.16% |      |

## Target Compounds

|                                |       |     |        |           |        | Qvalue |
|--------------------------------|-------|-----|--------|-----------|--------|--------|
| 3) Chloromethane               | 1.32  | 50  | 487    | 0.228     | ug/l # | 81     |
| 5) Bromomethane                | 1.64  | 94  | 1053   | 0.843     | ug/l   | 99     |
| 10) Methyl Iodide              | 2.51  | 142 | 622    | 4.900     | ug/l # | 95     |
| 11) Tert butyl alcohol         | 3.02  | 59  | 5826   | 10.866    | ug/l # | 77     |
| 13) Acrolein                   | 2.29  | 56  | 235    | 0.484     | ug/l   | 87     |
| 16) Acetone                    | 2.45  | 43  | 1012   | 0.814     | ug/l   | 90     |
| 17) Carbon Disulfide           | 2.57  | 76  | 1485   | 0.332     | ug/l # | 89     |
| 18) Methyl Acetate             | 2.78  | 43  | 615    | 0.208     | ug/l # | 78     |
| 25) 2-Butanone                 | 4.71  | 43  | 1440   | 0.745     | ug/l # | 53     |
| 28) Bromochloromethane         | 5.00  | 49  | 128    | Below Cal | #      | 20     |
| 36) 1,1-Dichloropropene        | 5.67  | 75  | 13534  | 5.428     | ug/l # | 51     |
| 38) Carbon Tetrachloride       | 5.66  | 117 | 16071  | 7.095     | ug/l # | 16     |
| 39) Methylcyclohexane          | 7.46  | 83  | 4522   | 1.477     | ug/l   | 89     |
| 51) 4-Methyl-2-Pentanone       | 8.66  | 43  | 4059   | 1.118     | ug/l # | 45     |
| 55) 1,1,2-Trichloroethane      | 9.16  | 97  | 14951  | 7.813     | ug/l # | 20     |
| 56) Ethyl methacrylate         | 9.16  | 69  | 3948   | 1.156     | ug/l # | 1      |
| 59) 2-Hexanone                 | 9.29  | 43  | 2480   | 0.869     | ug/l   | 84     |
| 67) Ethyl Benzene              | 10.24 | 91  | 2155   | 0.237     | ug/l # | 77     |
| 68) m/p-Xylenes                | 10.36 | 106 | 3556   | 1.072     | ug/l # | 1      |
| 73) Isopropylbenzene           | 11.02 | 105 | 185650 | 23.085    | ug/l   | 99     |
| 74) N-amyl acetate             | 10.91 | 43  | 593138 | 126.505   | ug/l # | 1      |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83  | 231424 | 77.193    | ug/l # | 25     |
| 76) 1,2,3-Trichloropropane     | 11.36 | 75  | 2870   | 1.119     | ug/l # | 1      |
| 78) n-propylbenzene            | 11.36 | 91  | 508652 | 55.382    | ug/l   | 98     |
| 79) 2-Chlorotoluene            | 11.45 | 91  | 21438  | 3.783     | ug/l   | 72     |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105 | 14328  | 2.116     | ug/l   | 94     |
| 81) trans-1,4-Dichloro-2-buten | 11.02 | 75  | 2318   | 2.312     | ug/l # | 1      |
| 82) 4-Chlorotoluene            | 11.45 | 91  | 21438  | 3.349     | ug/l   | 77     |
| 83) tert-Butylbenzene          | 11.77 | 119 | 40177  | 6.099     | ug/l   | 80     |
| 84) 1,2,4-Trimethylbenzene     | 11.80 | 105 | 192320 | 28.295    | ug/l   | 99     |
| 85) sec-Butylbenzene           | 11.94 | 105 | 365262 | 46.770    | ug/l   | 98     |
| 86) p-Isopropyltoluene         | 12.06 | 119 | 49411  | 7.038     | ug/l   | 99     |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146 | 811    | 0.226     | ug/l # | 1      |
| 89) n-Butylbenzene             | 12.38 | 91  | 303978 | 47.903    | ug/l   | 89     |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_X\DATA\VX052319\  
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 Acq On : 23 May 2019 17:04  
 Operator : JC/SP  
 Sample : K2976-02 10X  
 Misc : 5.76g/5mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 18 Sample Multiplier: 1

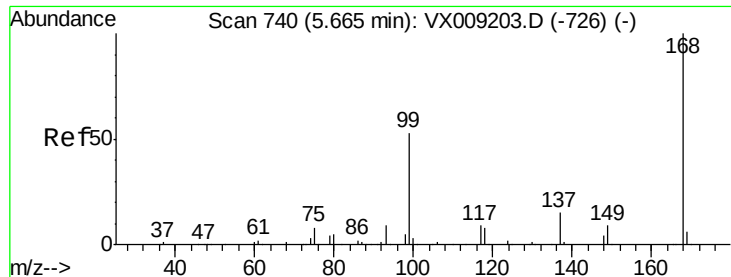
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EP1-SB-E2-3R(17-20)

Quant Time: May 24 03:52:36 2019  
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 09 07:31:15 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 90) Hexachloroethane           | 12.58 | 117  | 5273     | 4.408 | ug/l # | 7        |
| 92) 1,2-Dibromo-3-Chloropropan | 12.97 | 75   | 2119     | 3.151 | ug/l # | 8        |
| 93) 1,2,4-Trichlorobenzene     | 13.65 | 180  | 959      | 0.387 | ug/l # | 1        |
| 94) Hexachlorobutadiene        | 13.78 | 225  | 535      | 0.423 | ug/l   | 85       |
| 95) Naphthalene                | 13.83 | 128  | 3068     | 0.380 | ug/l # | 69       |
| 96) 1,2,3-Trichlorobenzene     | 14.01 | 180  | 1073     | 0.427 | ug/l # | 1        |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009863.D

Acq: 23 May 2019 17:04

Instrument :

MSVOA\_X

ClientSampleId :

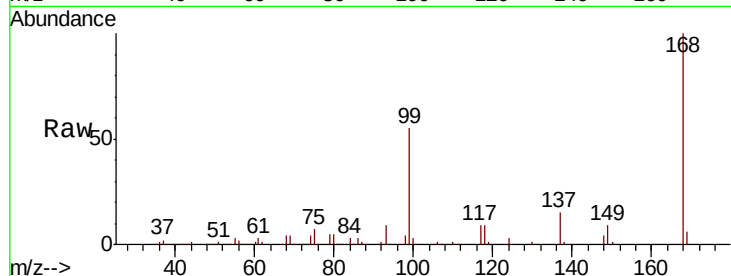
EP1-SB-E2-3R(17-20)

Tot Ion:168 Resp: 169677

Ion Ratio Lower Upper

168 100

99 54.7 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

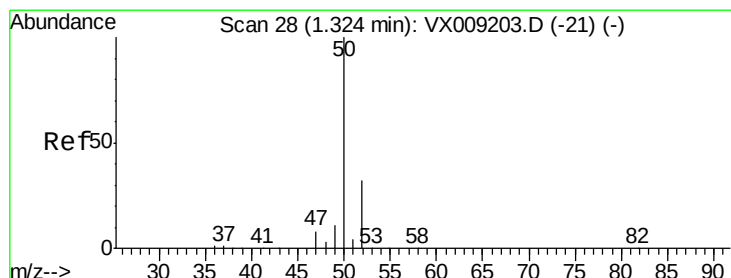
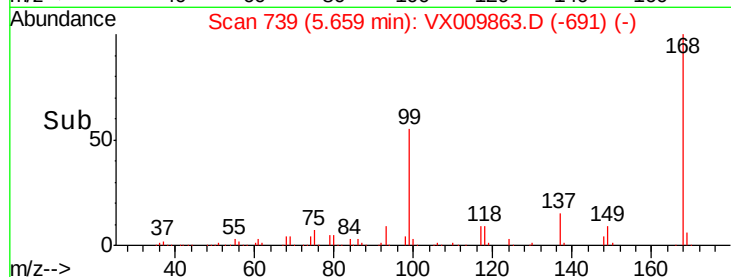
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.228 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009863.D

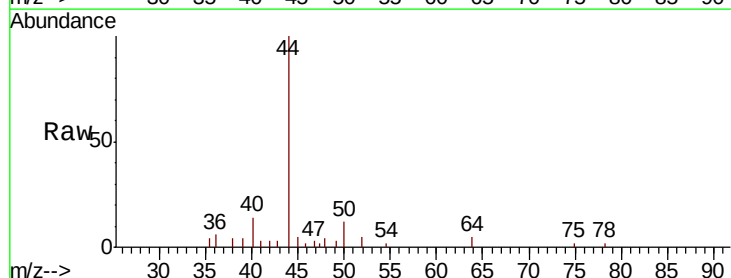
Acq: 23 May 2019 17:04

Tgt Ion: 50 Resp: 487

Ion Ratio Lower Upper

50 100

52 43.1 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

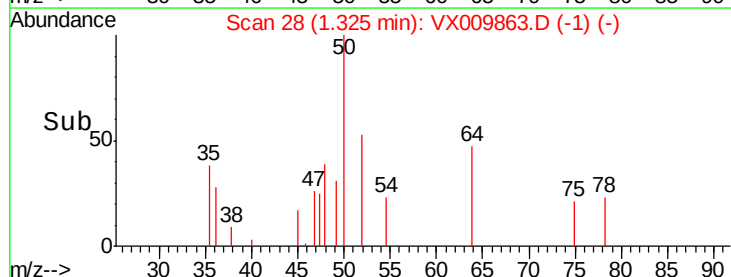
300

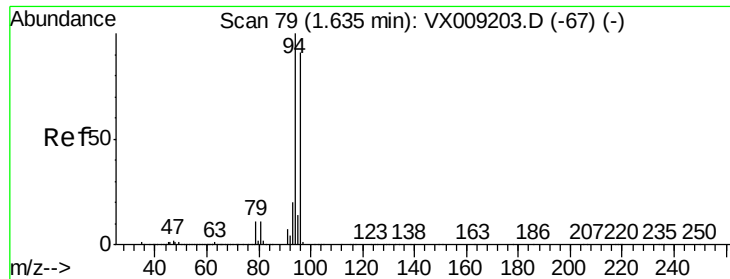
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.843 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009863.D

Acq: 23 May 2019 17:04

Instrument :

MSVOA\_X

ClientSampleId :

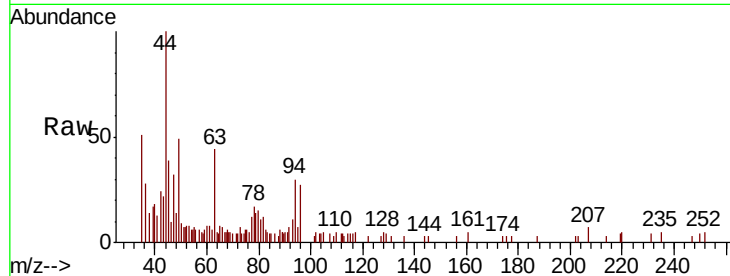
EP1-SB-E2-3R(17-20)

Tot Ion: 94 Resp: 1053

Ion Ratio Lower Upper

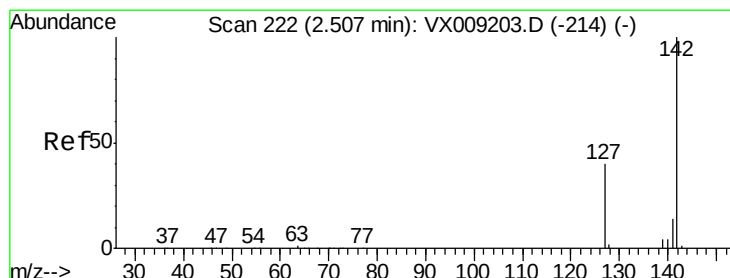
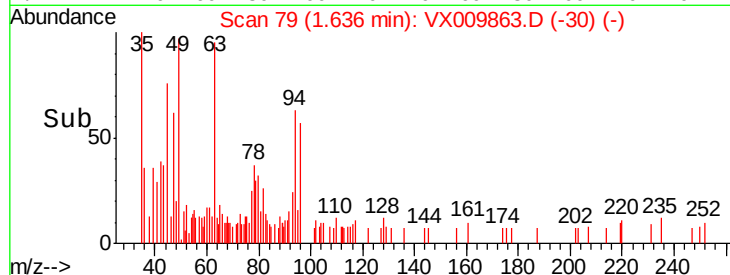
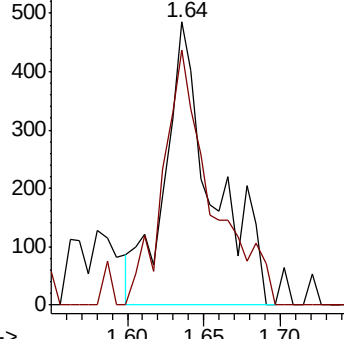
94 100

96 90.1 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.900 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009863.D

Acq: 23 May 2019 17:04

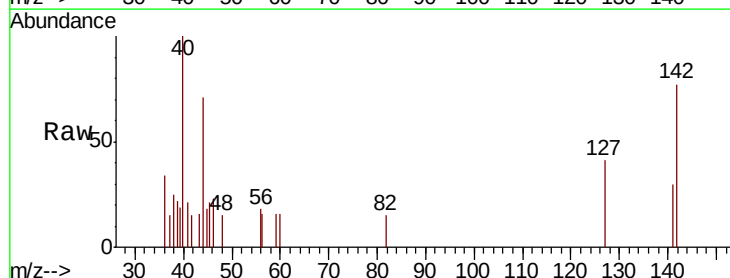
Tgt Ion: 142 Resp: 622

Ion Ratio Lower Upper

142 100

127 43.6 32.7 49.1

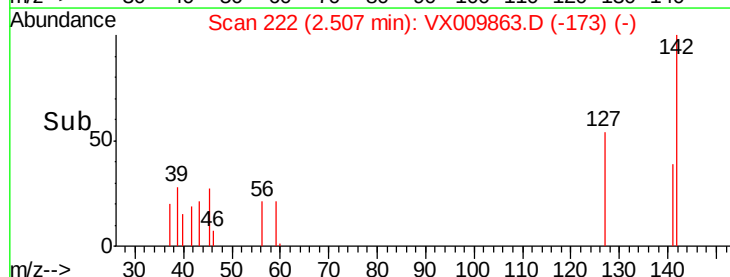
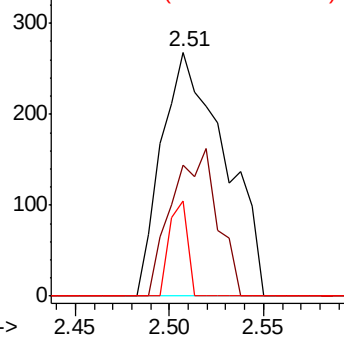
141 11.3 11.5 17.3#

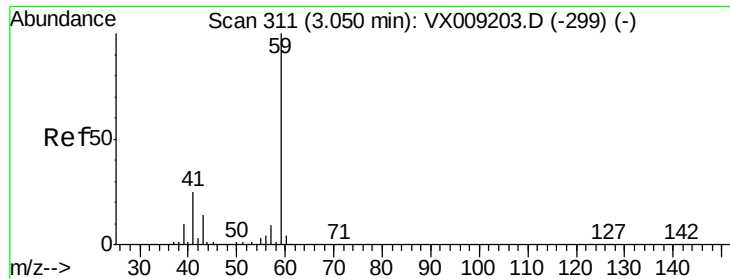


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

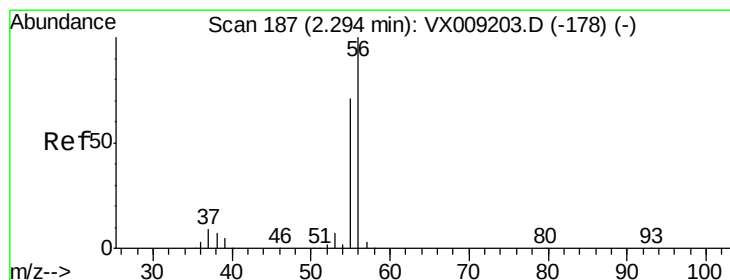
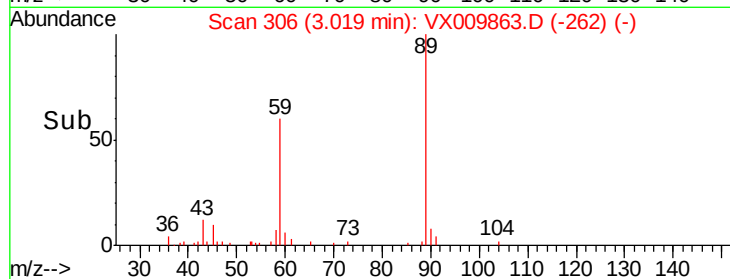
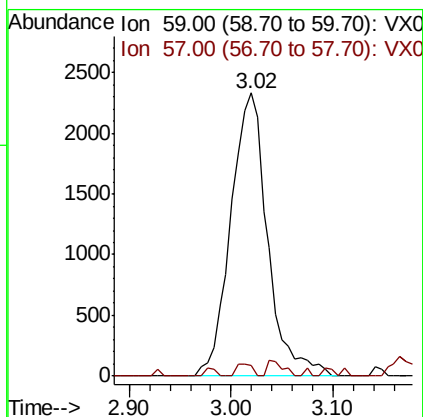
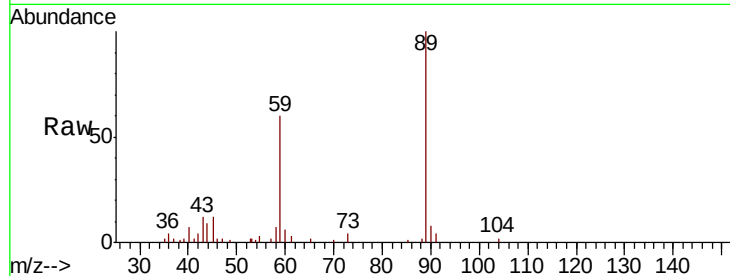




#11  
Tert butyl alcohol  
Concen: 10.866 ug/l  
RT: 3.02 min Scan# 306  
Delta R.T. -0.03 min  
Lab File: VX009863.D  
Acq: 23 May 2019 17:04

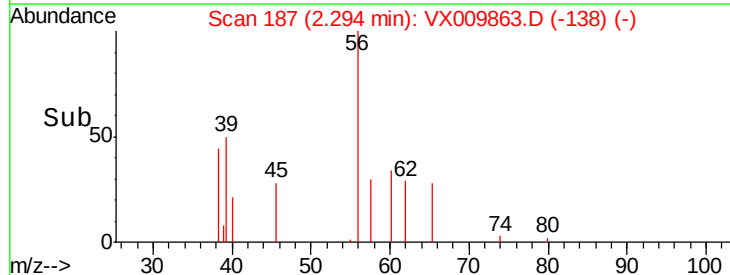
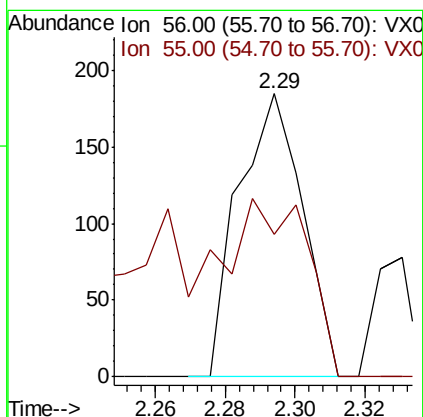
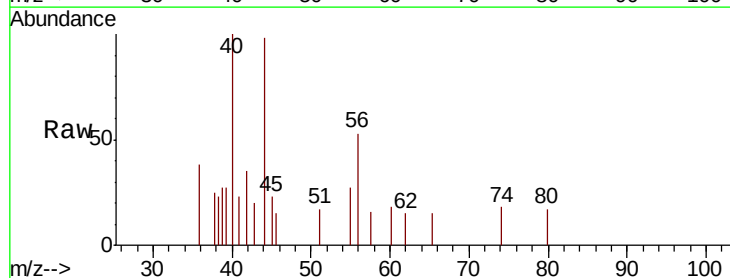
Instrument :  
MSVOA\_X  
ClientSampleId :  
EP1-SB-E2-3R(17-20)

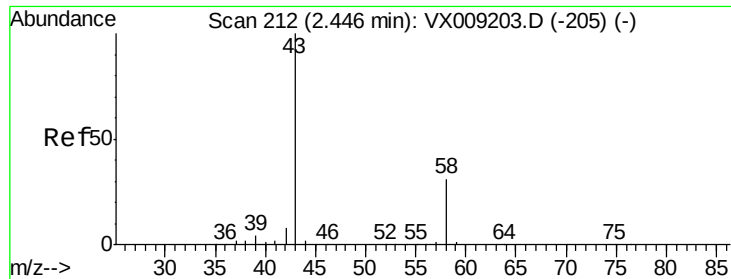
Tot Ion: 59 Resp: 5826  
Ion Ratio Lower Upper  
59 100  
57 1.8 8.2 12.2#



#13  
Acrolein  
Concen: 0.484 ug/l  
RT: 2.29 min Scan# 187  
Delta R.T. 0.00 min  
Lab File: VX009863.D  
Acq: 23 May 2019 17:04

Tgt Ion: 56 Resp: 235  
Ion Ratio Lower Upper  
56 100  
55 60.4 56.6 85.0





#16

Acetone

Concen: 0.814 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009863.D

Acq: 23 May 2019 17:04

Instrument :

MSVOA\_X

ClientSampleId :

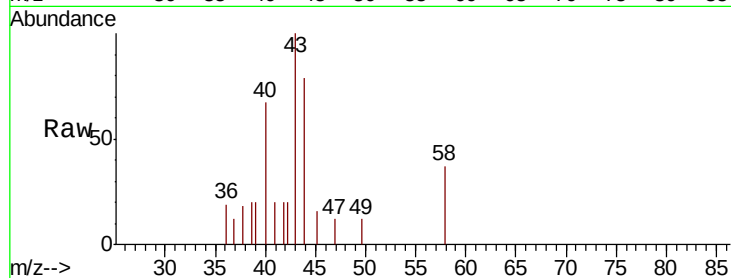
EP1-SB-E2-3R(17-20)

Tot Ion: 43 Resp: 1012

Ion Ratio Lower Upper

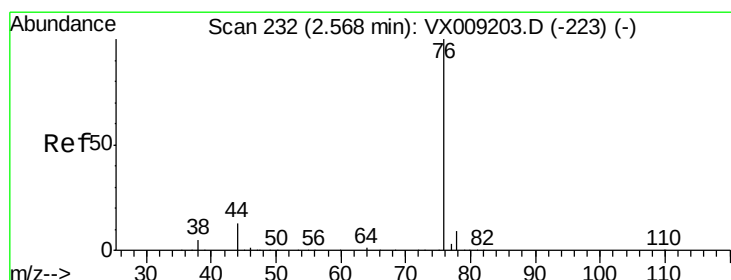
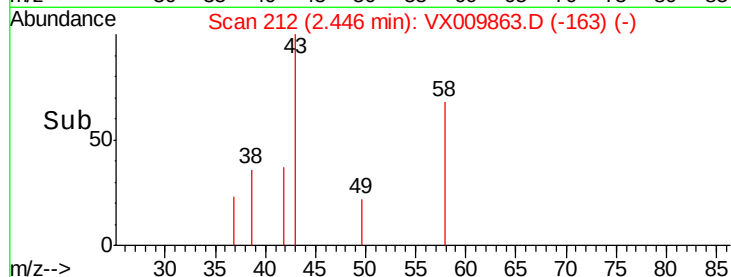
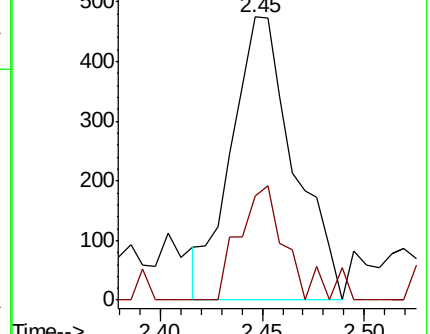
43 100

58 36.7 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.332 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009863.D

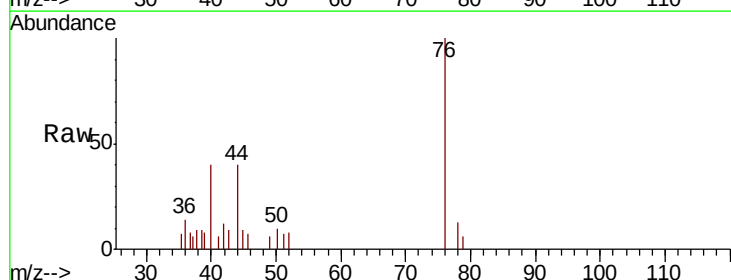
Acq: 23 May 2019 17:04

Tgt Ion: 76 Resp: 1485

Ion Ratio Lower Upper

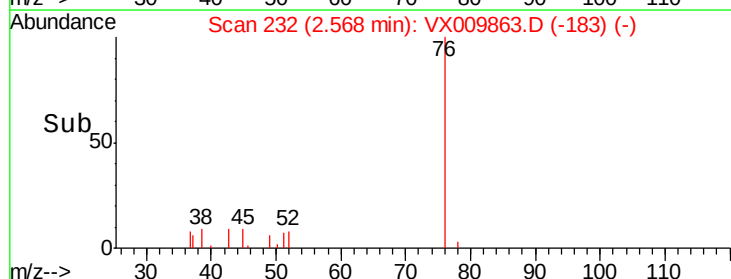
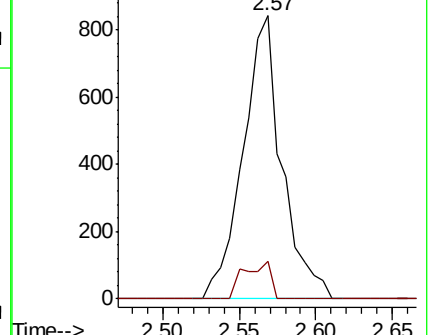
76 100

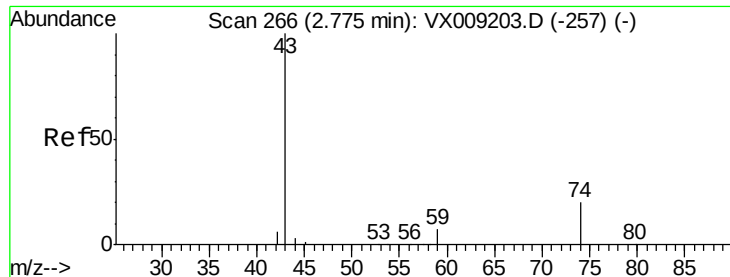
78 13.2 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

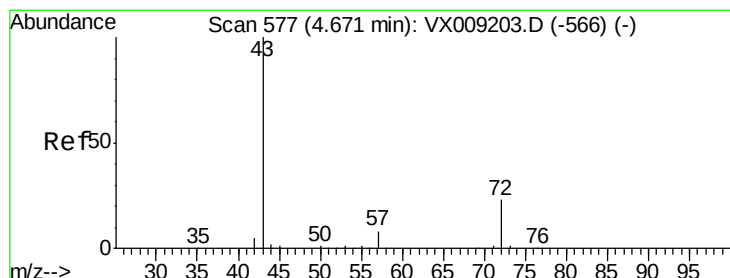
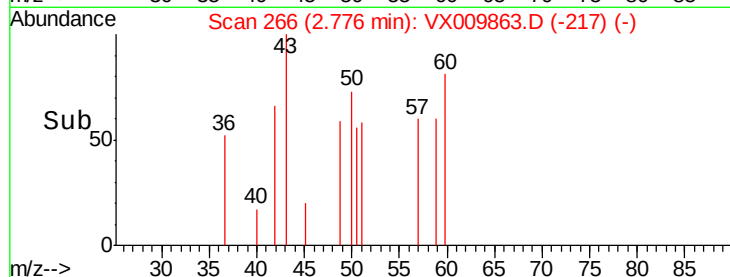
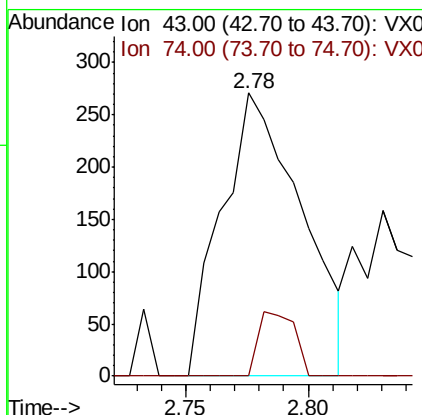
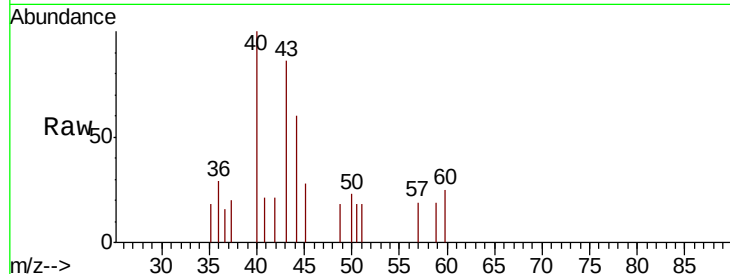




#18  
Methvl Acetate  
Concen: 0.208 ug/l  
RT: 2.78 min Scan# 266  
Delta R.T. 0.00 min  
Lab File: VX009863.D  
Acq: 23 May 2019 17:04

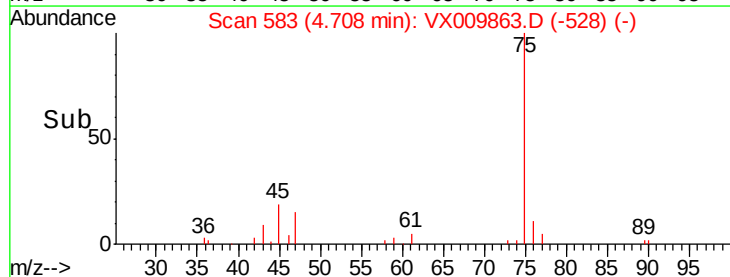
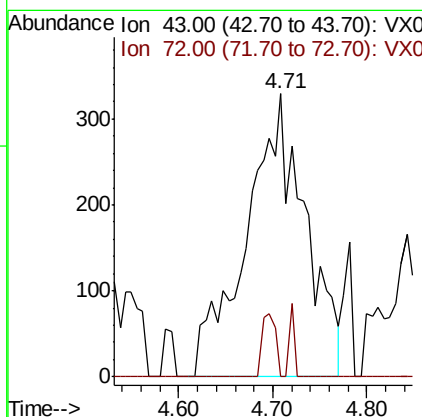
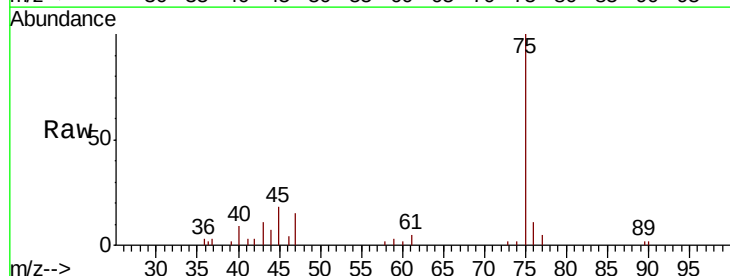
Instrument :  
MSVOA\_X  
ClientSampleId :  
EP1-SB-E2-3R(17-20)

Tot Ion: 43 Resp: 615  
Ion Ratio Lower Upper  
43 100  
74 10.2 16.2 24.4#

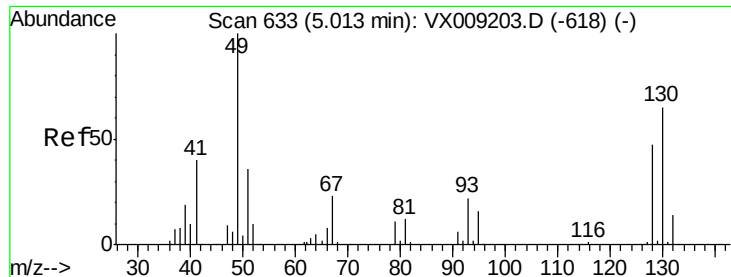


#25  
2-Butanone  
Concen: 0.745 ug/l  
RT: 4.71 min Scan# 583  
Delta R.T. 0.04 min  
Lab File: VX009863.D  
Acq: 23 May 2019 17:04

Tgt Ion: 43 Resp: 1440  
Ion Ratio Lower Upper  
43 100  
72 0.0 18.2 27.2#



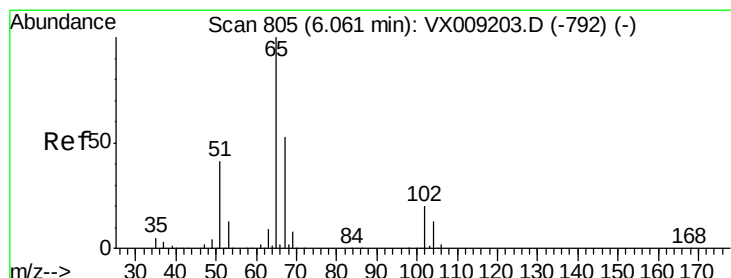
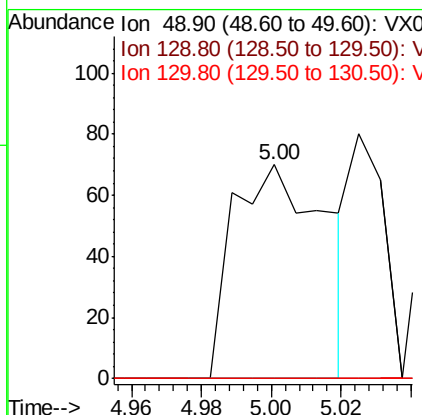
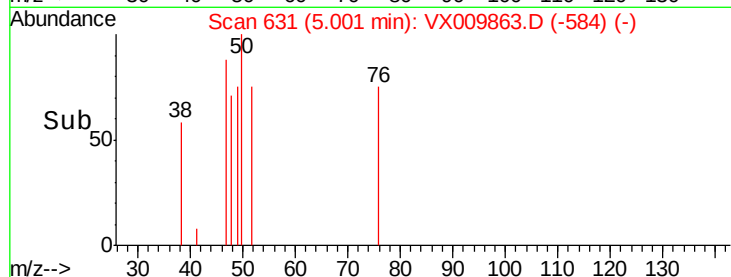
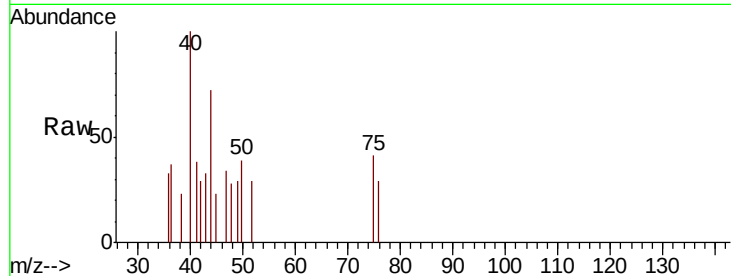




#28  
Bromochloromethane  
Concen: Below Cal  
RT: 5.00 min Scan# 631  
Delta R.T. -0.01 min  
Lab File: VX009863.D  
Acq: 23 May 2019 17:04

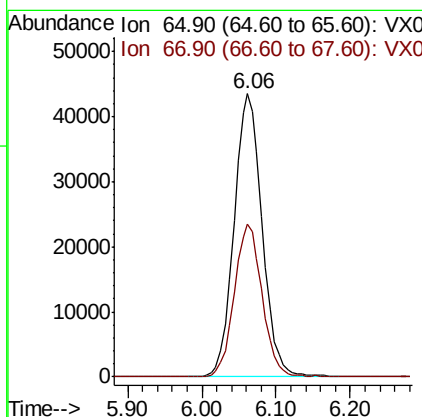
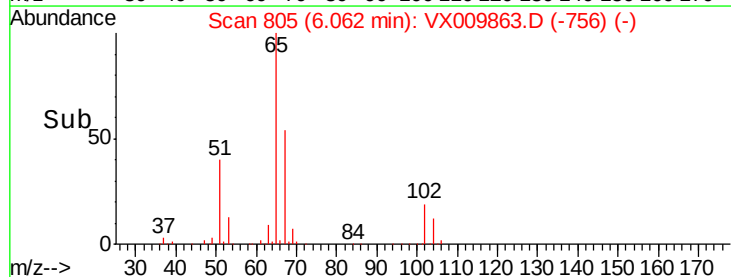
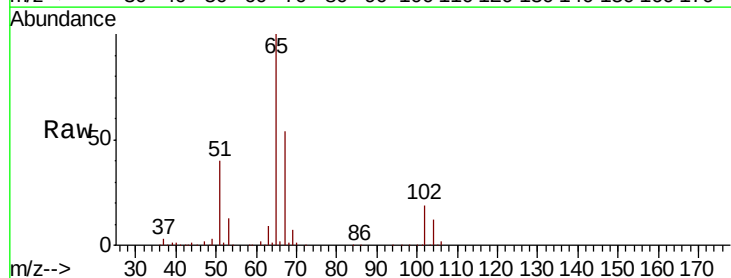
Instrument :  
MSVOA\_X  
ClientSampleId :  
EP1-SB-E2-3R(17-20)

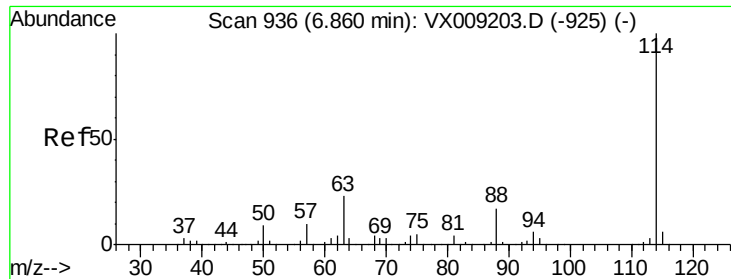
Tot Ion: 49 Resp: 128  
Ion Ratio Lower Upper  
49 100  
129 0.0 0.0 3.8  
130 0.0 51.2 76.8#



#33  
1,2-Dichloroethane-d4  
Concen: 49.457 ug/l  
RT: 6.06 min Scan# 805  
Delta R.T. 0.00 min  
Lab File: VX009863.D  
Acq: 23 May 2019 17:04

Tgt Ion: 65 Resp: 114557  
Ion Ratio Lower Upper  
65 100  
67 53.7 0.0 106.6

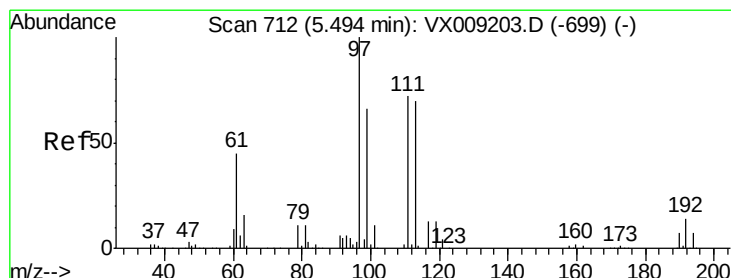
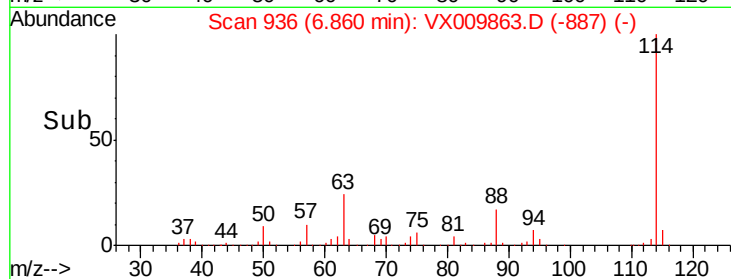
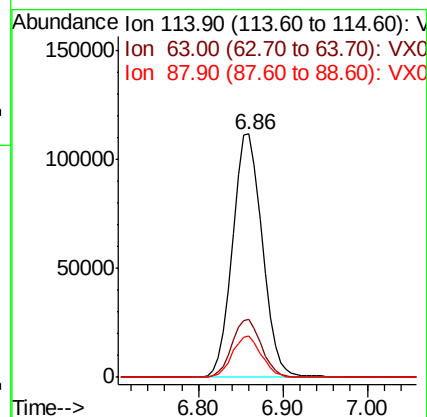
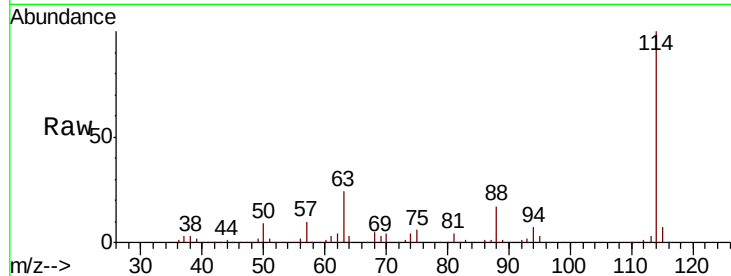




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX009863.D  
 Acq: 23 May 2019 17:04

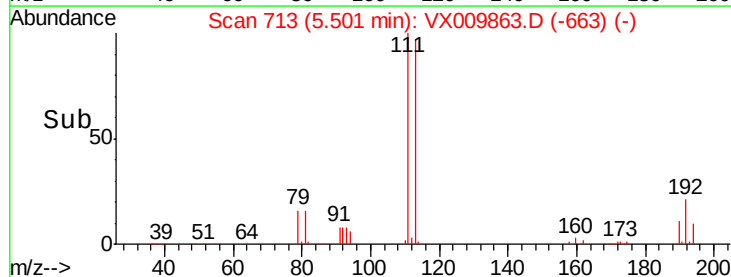
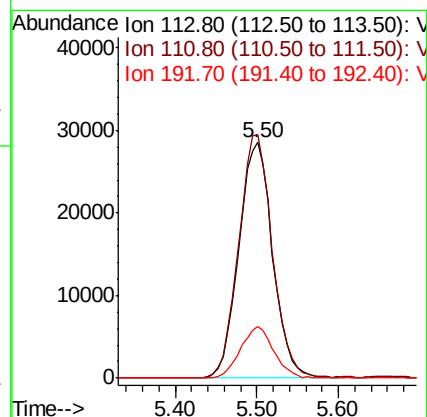
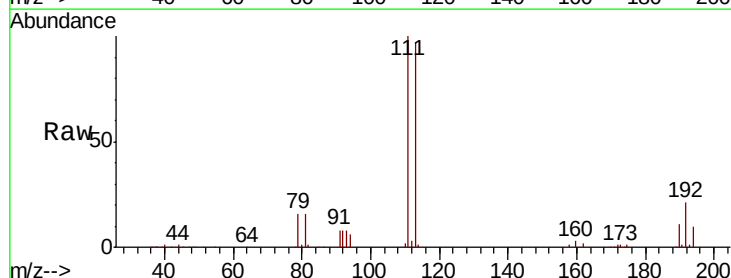
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EP1-SB-E2-3R(17-20)

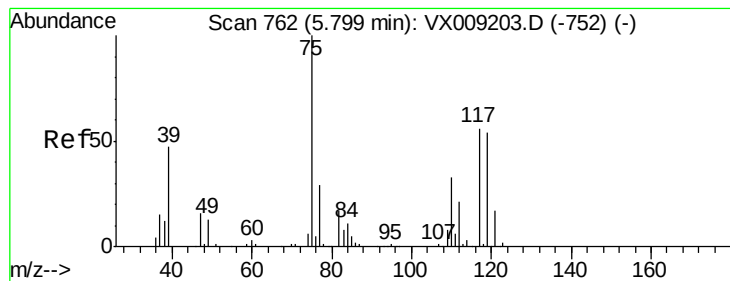
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 23.8  | 0.0   | 45.6  |
| 88      | 16.8  | 0.0   | 33.2  |



#35  
 Dibromofluoromethane  
 Concen: 48.606 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. 0.01 min  
 Lab File: VX009863.D  
 Acq: 23 May 2019 17:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.5 | 82.8  | 124.2 |
| 192     | 21.4  | 17.0  | 25.6  |





#36

1,1-Dichloropropene

Concen: 5.428 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009863.D

Acq: 23 May 2019 17:04

Instrument :

MSVOA\_X

ClientSampleId :

EP1-SB-E2-3R(17-20)

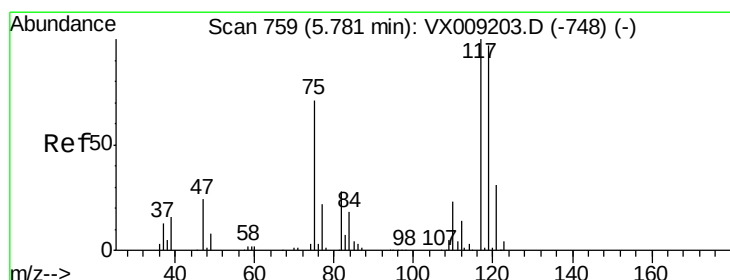
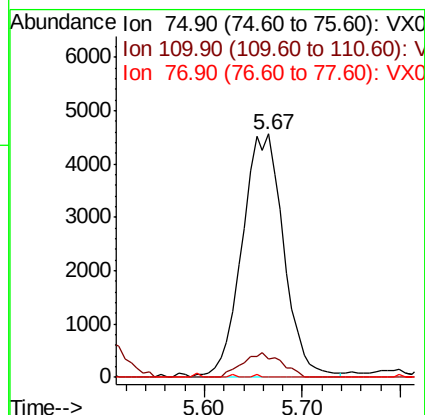
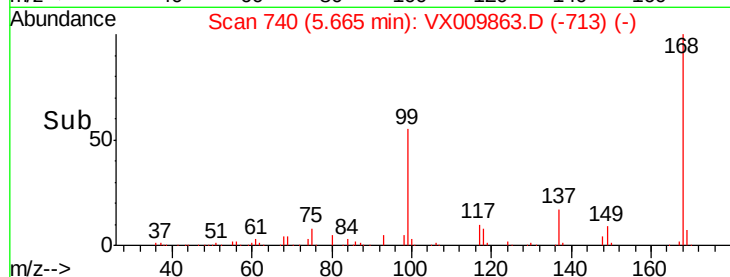
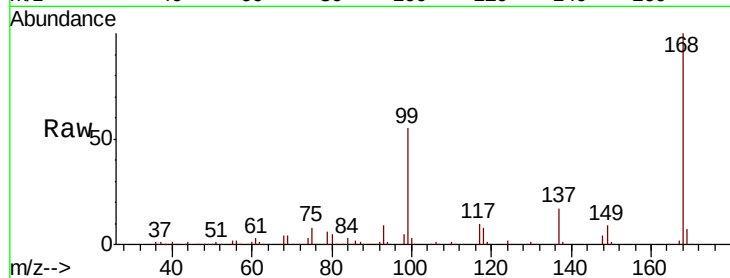
Tot Ion: 75 Resp: 13534

Ion Ratio Lower Upper

75 100

110 9.4 16.9 50.6#

77 0.1 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 7.095 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009863.D

Acq: 23 May 2019 17:04

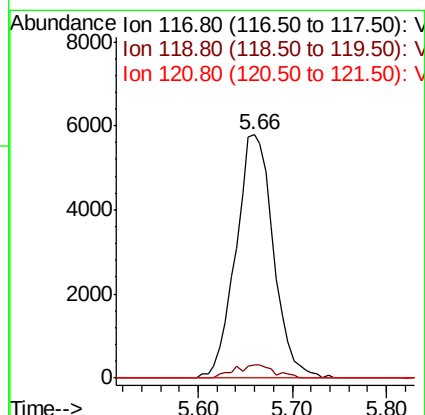
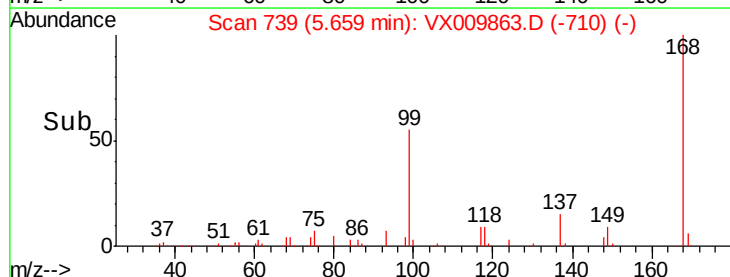
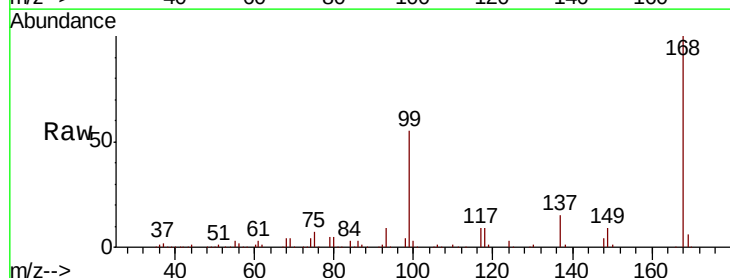
Tgt Ion: 117 Resp: 16071

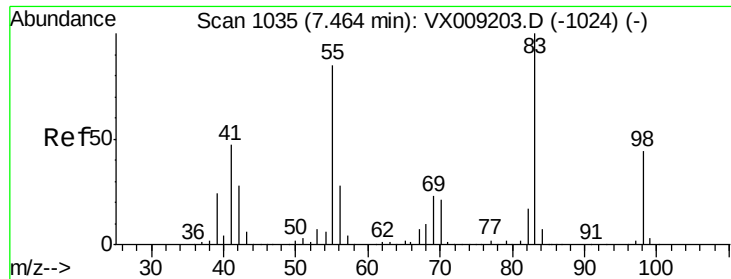
Ion Ratio Lower Upper

117 100

119 5.5 77.5 116.3#

121 0.0 24.7 37.1#

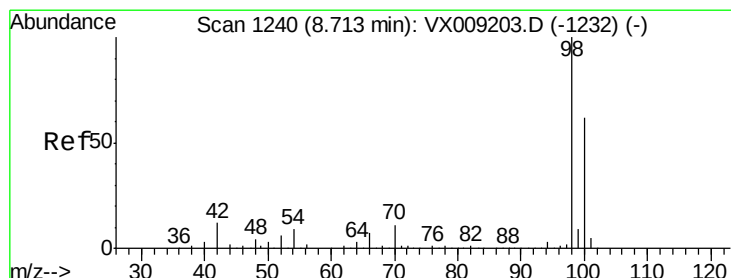
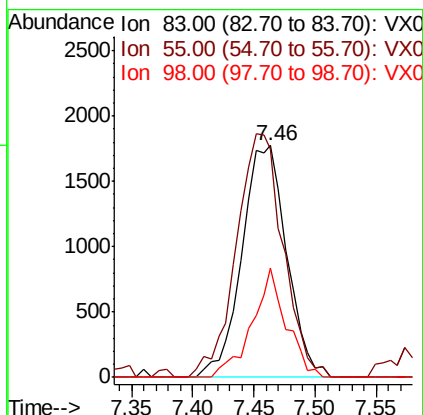
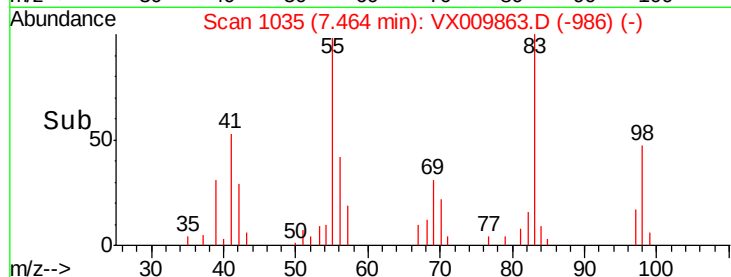
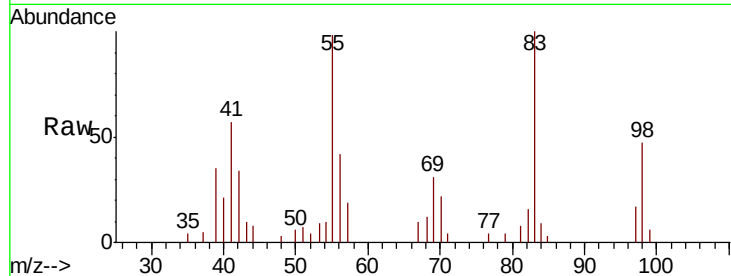




#39  
Methvlcvclohexane  
Concen: 1.477 ug/l  
RT: 7.46 min Scan# 1035  
Delta R.T. 0.00 min  
Lab File: VX009863.D  
Acq: 23 May 2019 17:04

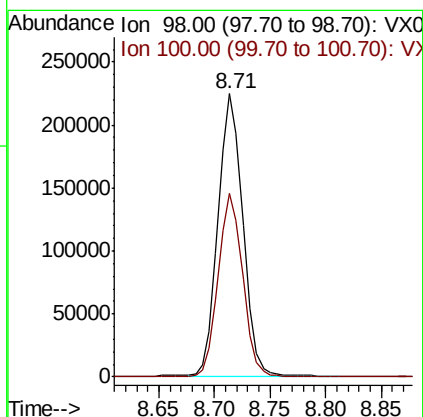
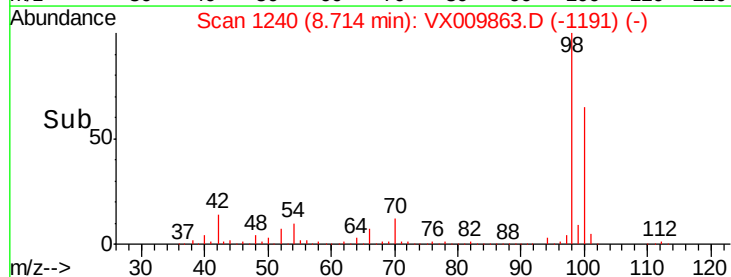
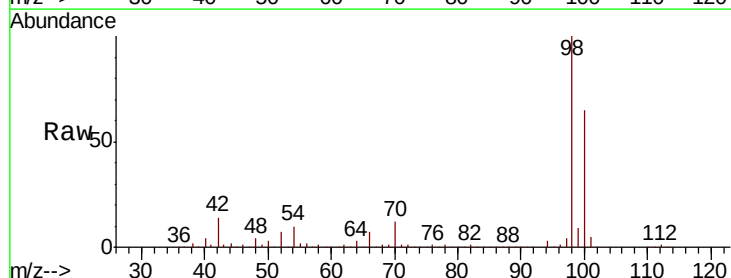
Instrument :  
MSVOA\_X  
ClientSampleId :  
EP1-SB-E2-3R(17-20)

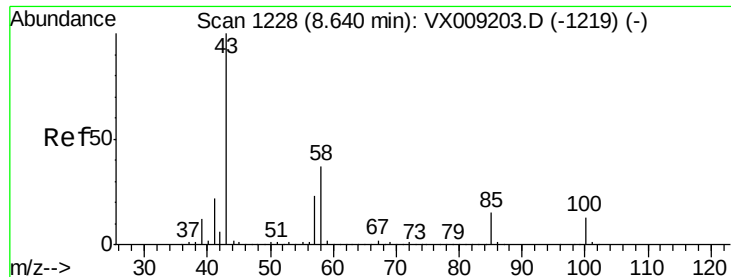
Tot Ion: 83 Resp: 4522  
Ion Ratio Lower Upper  
83 100  
55 98.3 67.7 101.5  
98 47.2 35.5 53.3



#50  
Toluene-d8  
Concen: 50.827 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX009863.D  
Acq: 23 May 2019 17:04

Tgt Ion: 98 Resp: 346079  
Ion Ratio Lower Upper  
98 100  
100 64.9 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 1.118 ug/l

RT: 8.66 min Scan# 1232

Delta R.T. 0.02 min

Lab File: VX009863.D

Acq: 23 May 2019 17:04

Instrument :

MSVOA\_X

ClientSampleId :

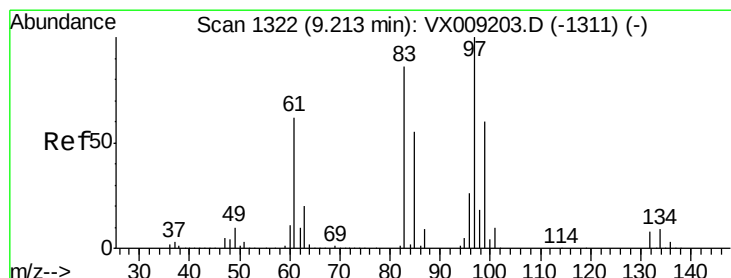
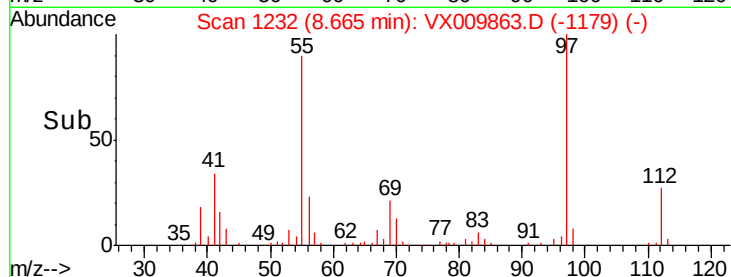
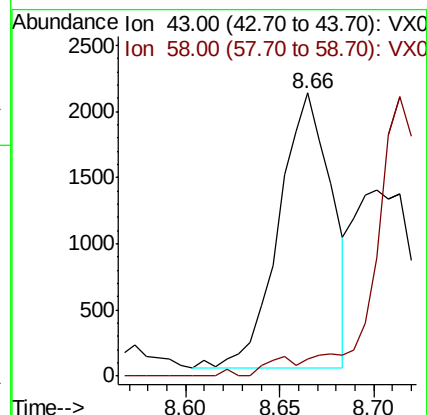
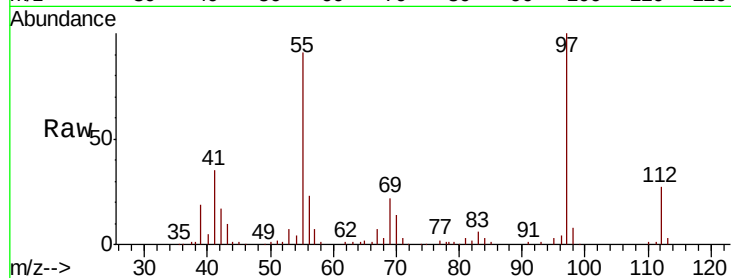
EP1-SB-E2-3R(17-20)

Tot Ion: 43 Resp: 4059

Ion Ratio Lower Upper

43 100

58 4.0 29.5 44.3#



#55

1,1,2-Trichloroethane

Concen: 7.813 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.05 min

Lab File: VX009863.D

Acq: 23 May 2019 17:04

Tgt Ion: 97 Resp: 14951

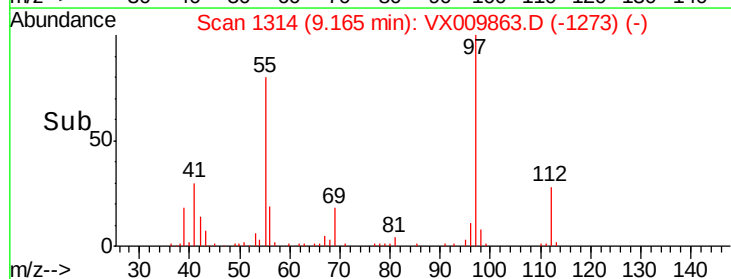
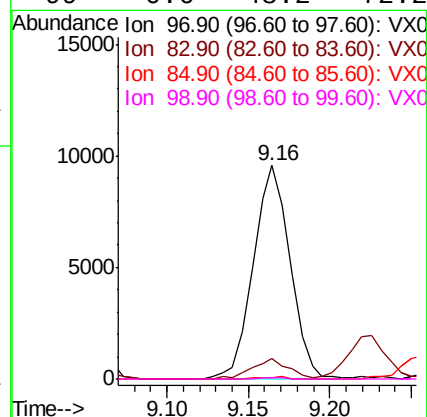
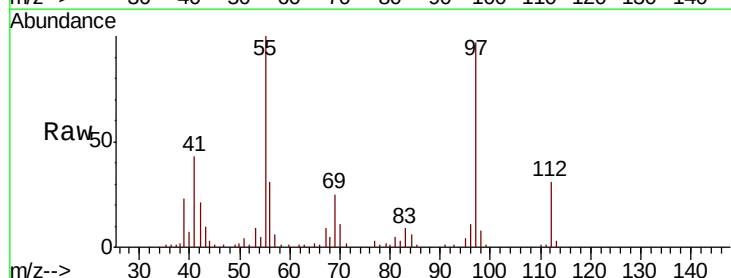
Ion Ratio Lower Upper

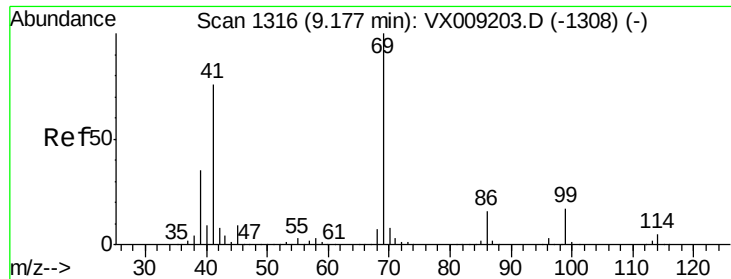
97 100

83 9.6 68.9 103.3#

85 0.5 43.8 65.6#

99 0.6 48.2 72.2#





#56

Ethyl methacrylate

Concen: 1.156 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VX009863.D

Acq: 23 May 2019 17:04

Instrument :

MSVOA\_X

ClientSampleId :

EP1-SB-E2-3R(17-20)

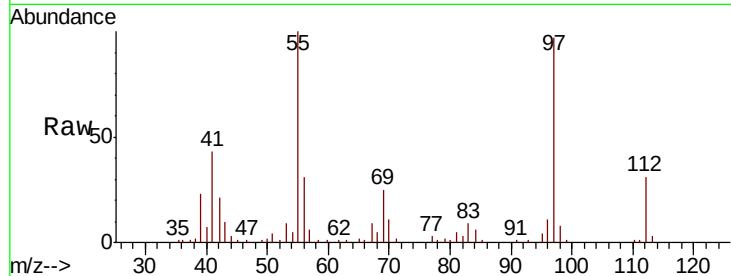
Tot Ion: 69 Resp: 3948

Ion Ratio Lower Upper

69 100

41 177.2 60.6 90.8#

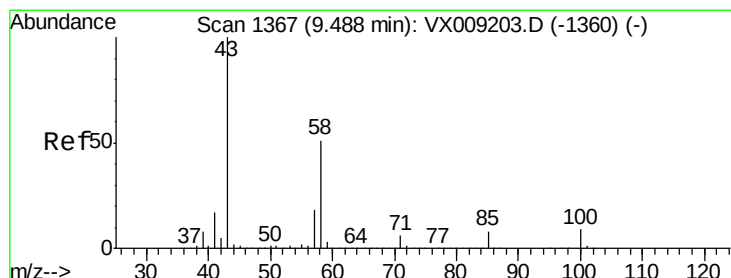
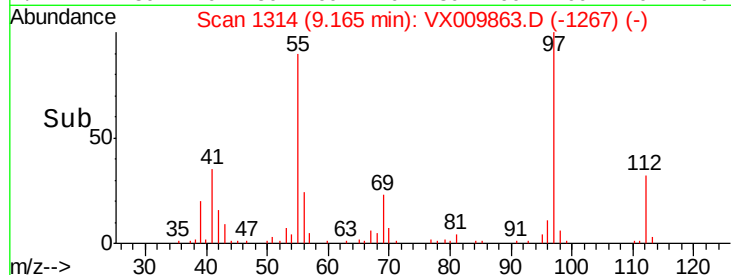
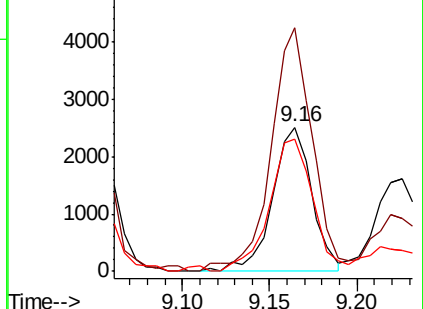
39 101.4 28.2 42.4#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#59

2-Hexanone

Concen: 0.869 ug/l

RT: 9.29 min Scan# 1334

Delta R.T. -0.20 min

Lab File: VX009863.D

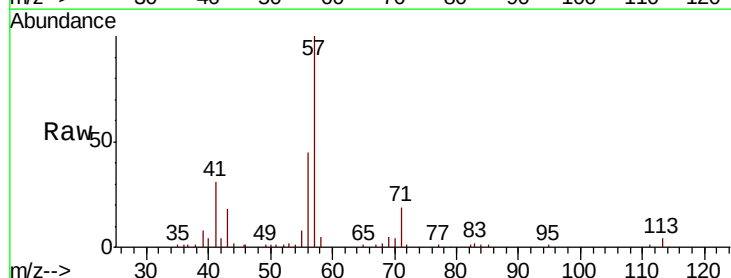
Acq: 23 May 2019 17:04

Tgt Ion: 43 Resp: 2480

Ion Ratio Lower Upper

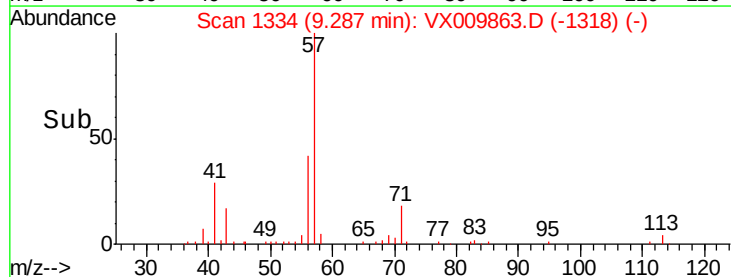
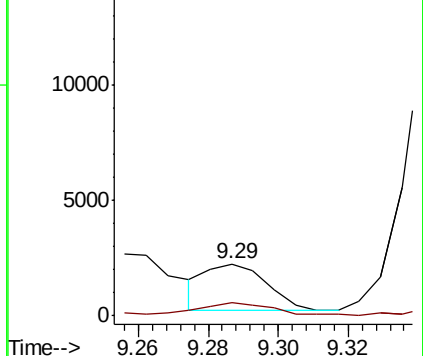
43 100

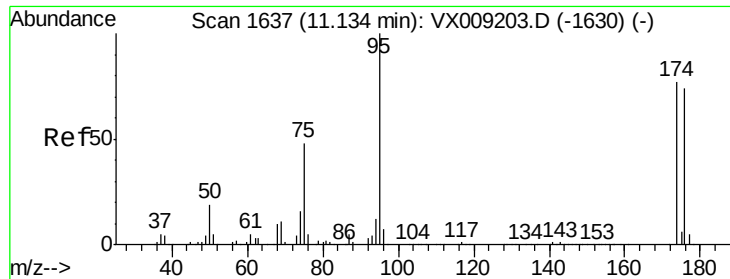
58 40.4 25.9 77.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 64.078 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009863.D

Acq: 23 May 2019 17:04

Instrument :

MSVOA\_X

ClientSampleId :

EP1-SB-E2-3R(17-20)

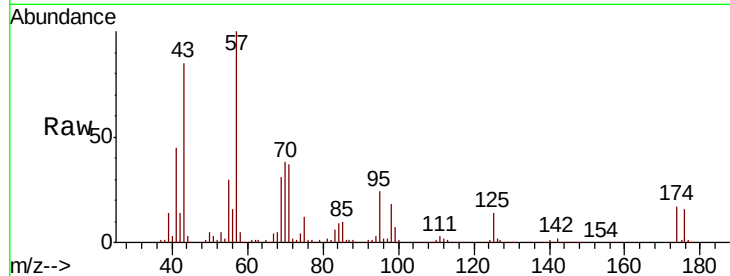
Tot Ion: 95 Resp: 158537

Ion Ratio Lower Upper

95 100

174 60.3 0.0 161.6

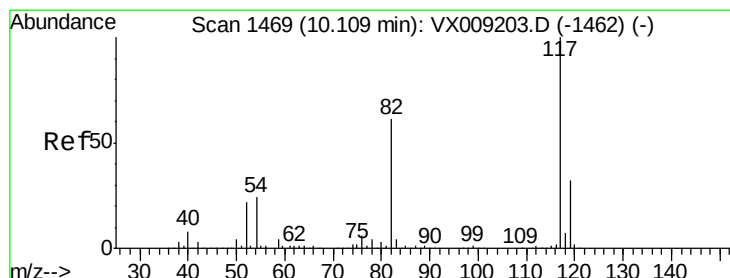
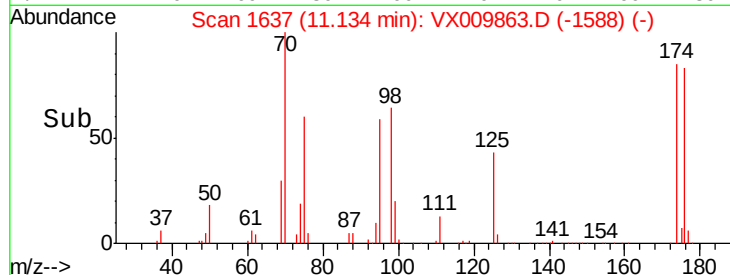
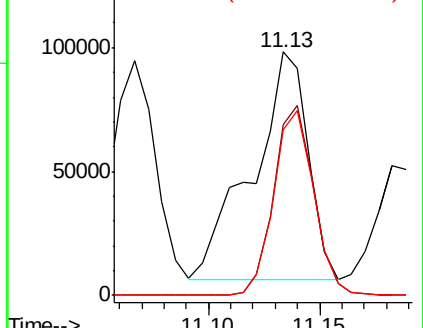
176 59.2 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009863.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009863.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009863.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009863.D

Acq: 23 May 2019 17:04

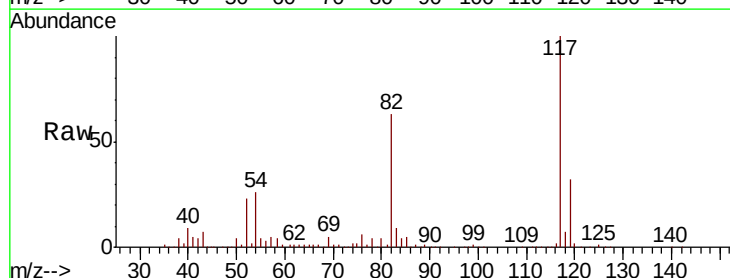
Tgt Ion: 117 Resp: 246482

Ion Ratio Lower Upper

117 100

82 60.5 48.8 73.2

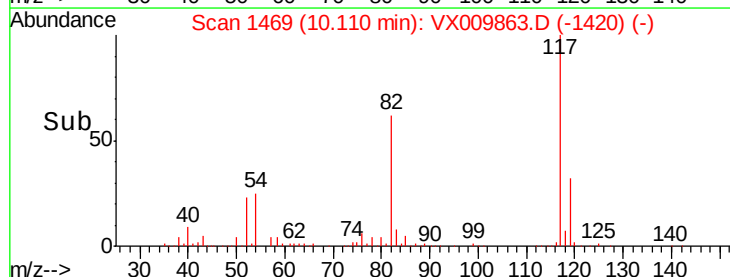
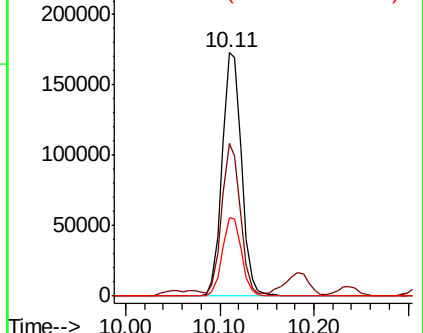
119 32.4 25.8 38.6

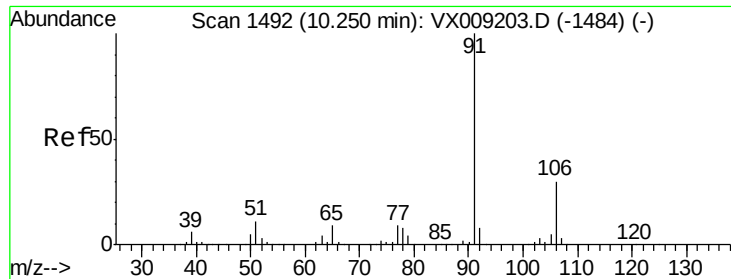


Abundance Ion 116.90 (116.60 to 117.60): VX009863.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009863.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009863.D (-1420) (-)





#67

Ethyl Benzene

Concen: 0.237 ug/l

RT: 10.24 min Scan# 1491

Delta R.T. -0.01 min

Lab File: VX009863.D

Acq: 23 May 2019 17:04

Instrument :

MSVOA\_X

ClientSampleId :

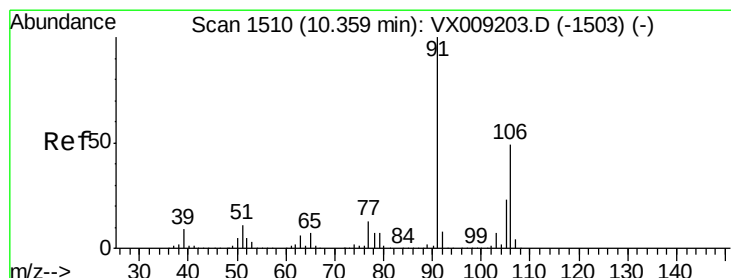
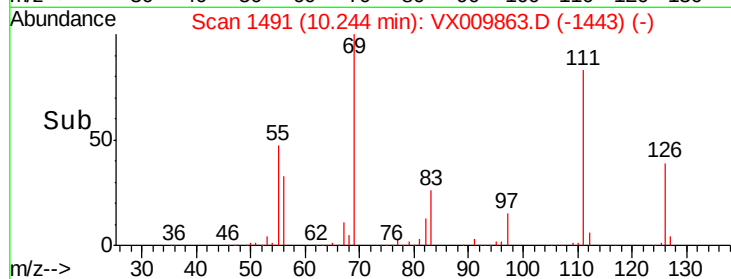
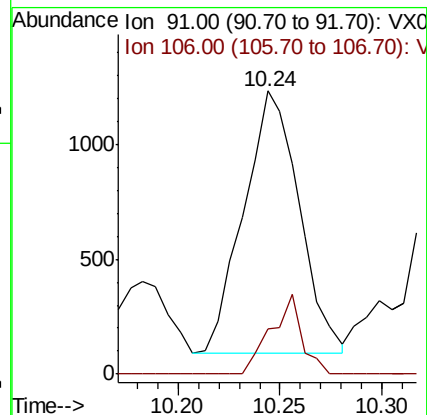
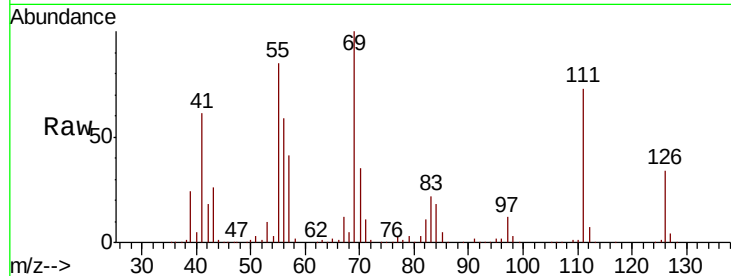
EP1-SB-E2-3R(17-20)

Tot Ion: 91 Resp: 2155

Ion Ratio Lower Upper

91 100

106 17.4 24.0 36.0#



#68

m/p-Xylenes

Concen: 1.072 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009863.D

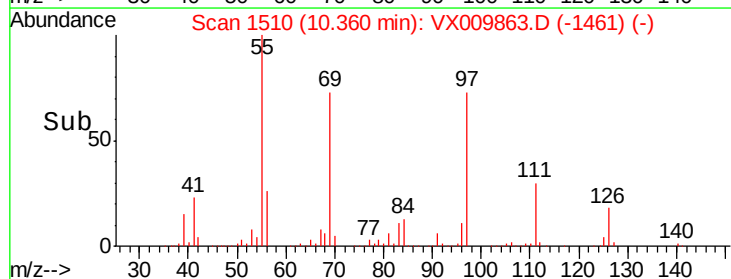
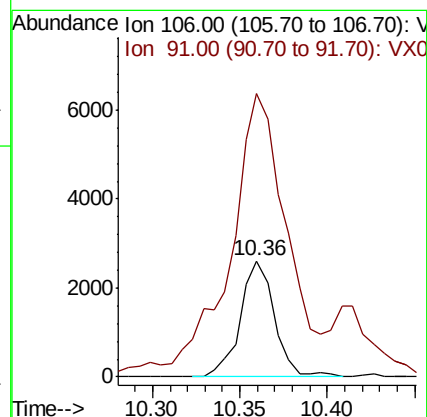
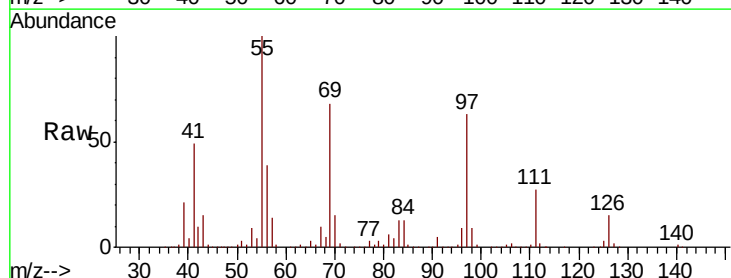
Acq: 23 May 2019 17:04

Tgt Ion:106 Resp: 3556

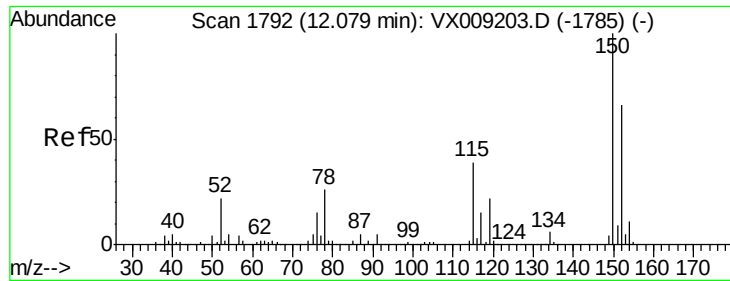
Ion Ratio Lower Upper

106 100

91 396.0 164.0 246.0#







#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009863.D

Acq: 23 May 2019 17:04

Instrument :

MSVOA\_X

ClientSampleId :

EP1-SB-E2-3R(17-20)

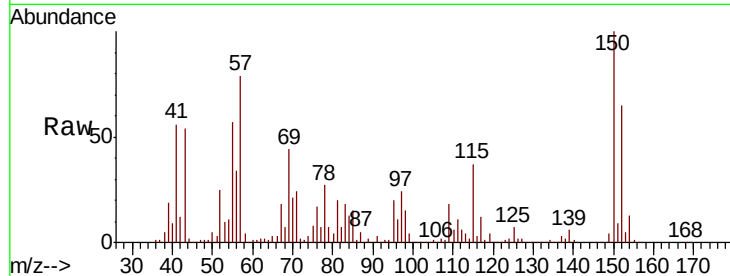
Tot Ion:152 Resp: 110592

Ion Ratio Lower Upper

152 100

115 59.2 41.2 123.6

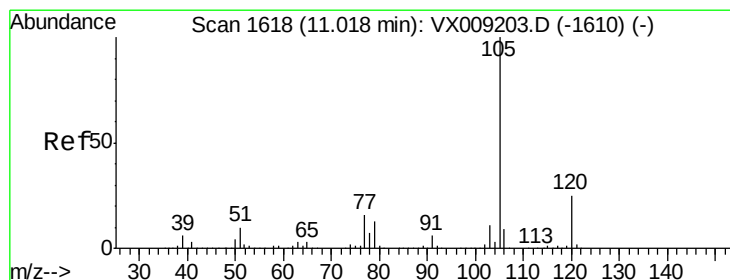
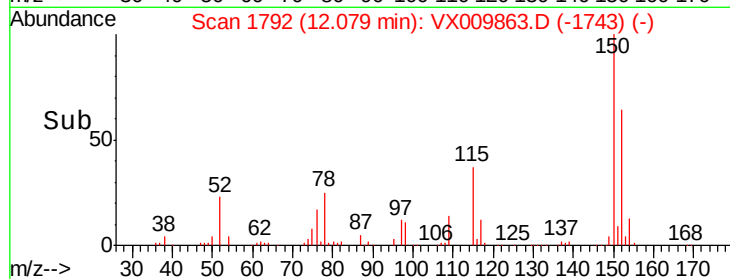
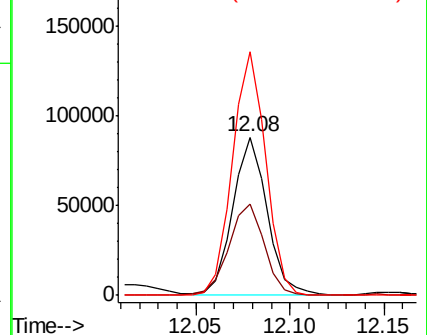
150 150.8 0.0 346.4



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



#73

Isopropylbenzene

Concen: 23.085 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009863.D

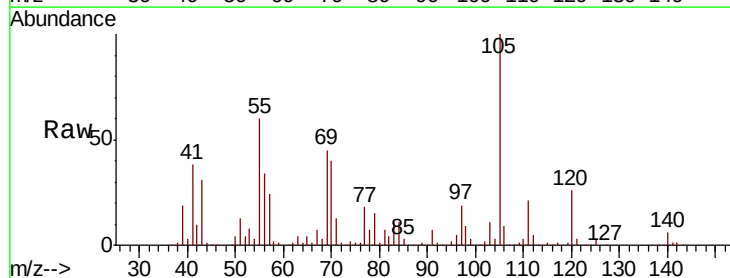
Acq: 23 May 2019 17:04

Tgt Ion:105 Resp: 185650

Ion Ratio Lower Upper

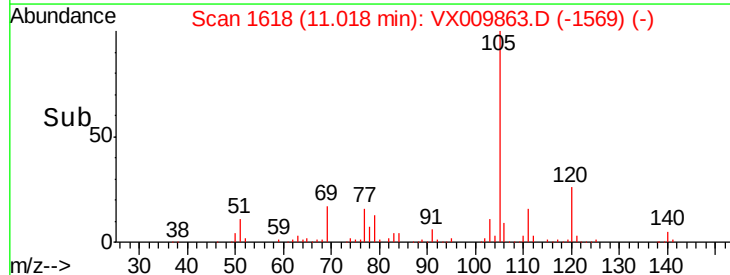
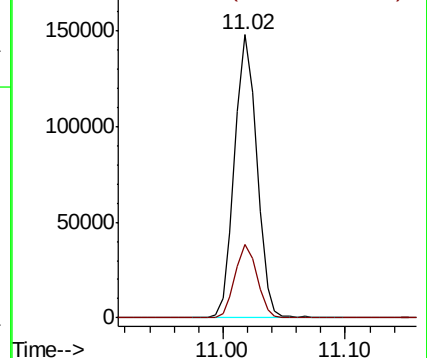
105 100

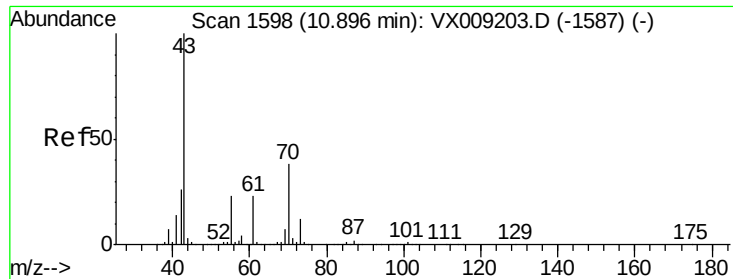
120 25.9 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 126.505 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX009863.D

Acq: 23 May 2019 17:04

Instrument :

MSVOA\_X

ClientSampleId :

EP1-SB-E2-3R(17-20)

Tot Ion: 43 Resp: 593138

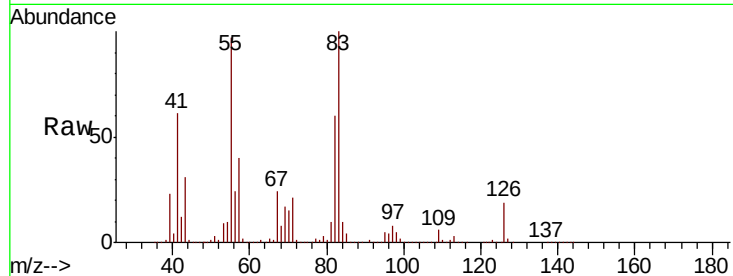
Ion Ratio Lower Upper

43 100

70 61.1 30.0 45.0#

55 258.7 17.9 26.9#

61 0.1 18.4 27.6#

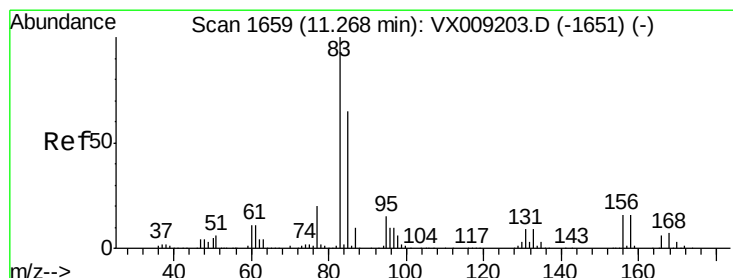
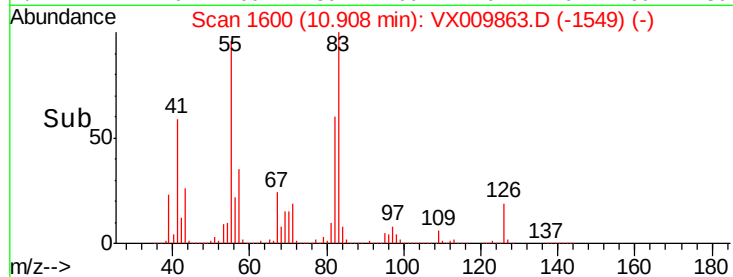
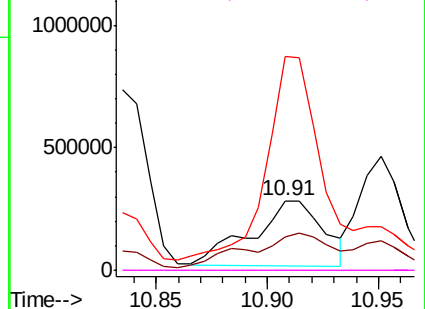


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 77.193 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX009863.D

Acq: 23 May 2019 17:04

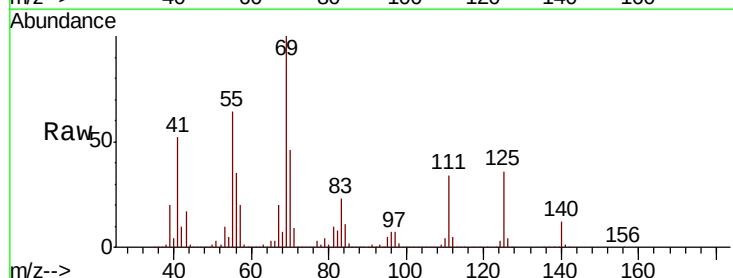
Tgt Ion: 83 Resp: 231424

Ion Ratio Lower Upper

83 100

131 0.0 4.6 13.8#

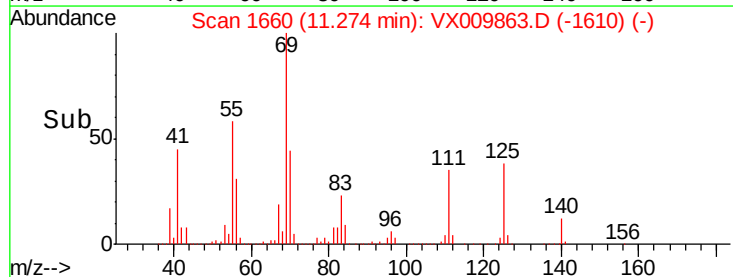
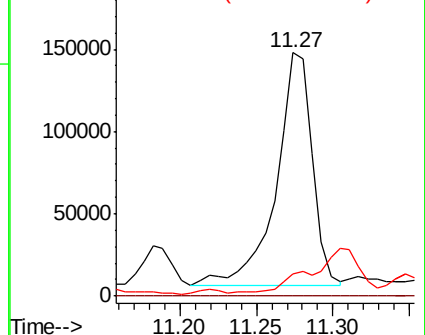
85 0.0 32.0 96.2#

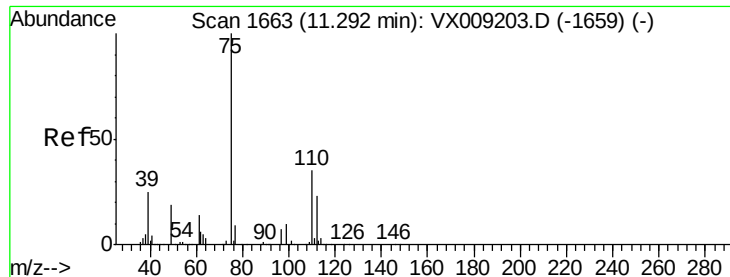


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 1.119 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.07 min

Lab File: VX009863.D

Acq: 23 May 2019 17:04

Instrument :

MSVOA\_X

ClientSampleId :

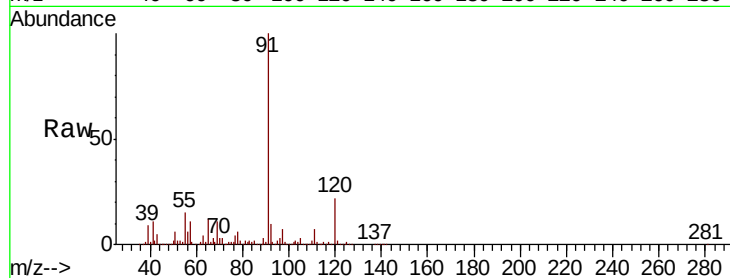
EP1-SB-E2-3R(17-20)

Tot Ion: 75 Resp: 2870

Ion Ratio Lower Upper

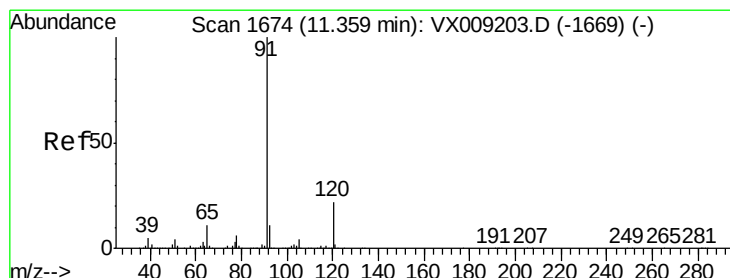
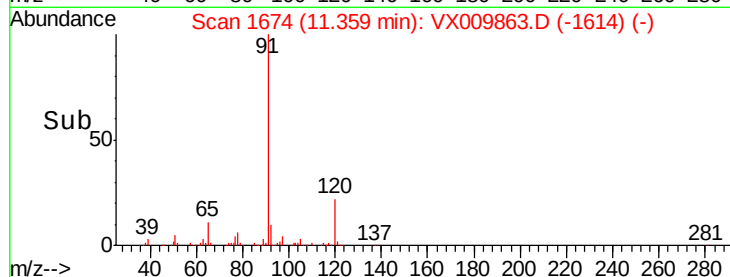
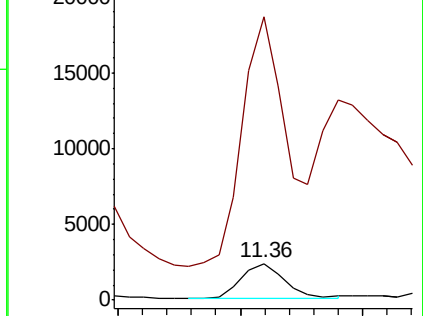
75 100

77 744.2 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#78

n-propylbenzene

Concen: 55.382 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009863.D

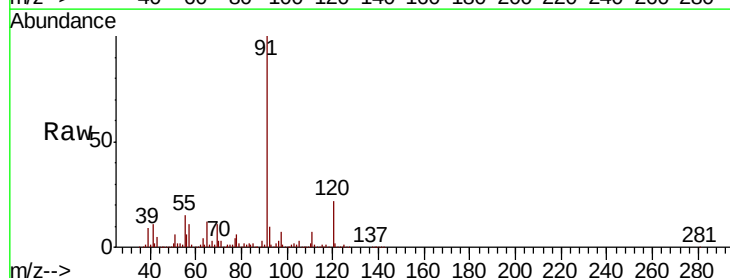
Acq: 23 May 2019 17:04

Tgt Ion: 91 Resp: 508652

Ion Ratio Lower Upper

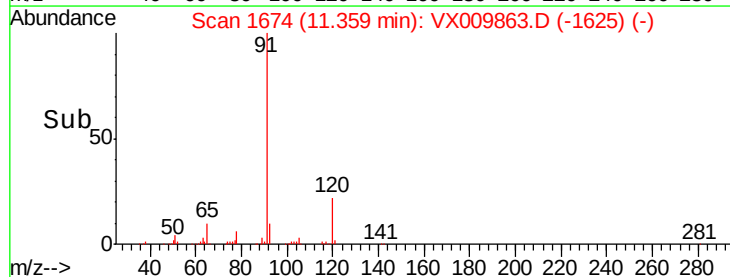
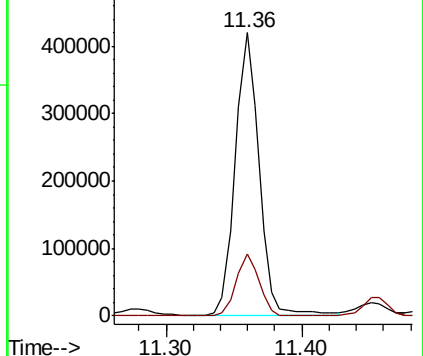
91 100

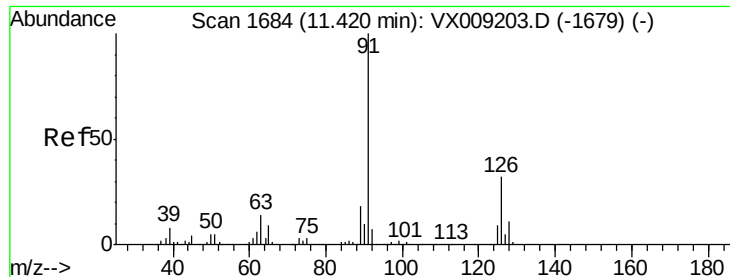
120 21.1 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 3.783 ug/l

RT: 11.45 min Scan# 1689

Delta R.T. 0.03 min

Lab File: VX009863.D

Acq: 23 May 2019 17:04

Instrument :

MSVOA\_X

ClientSampleId :

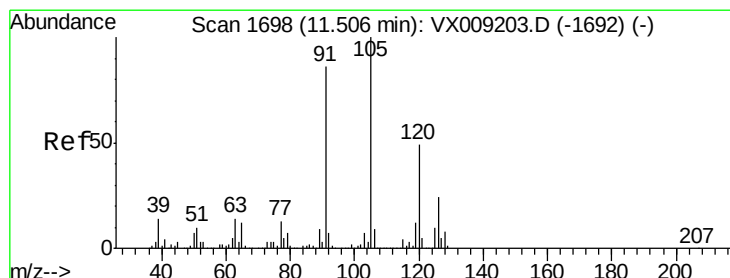
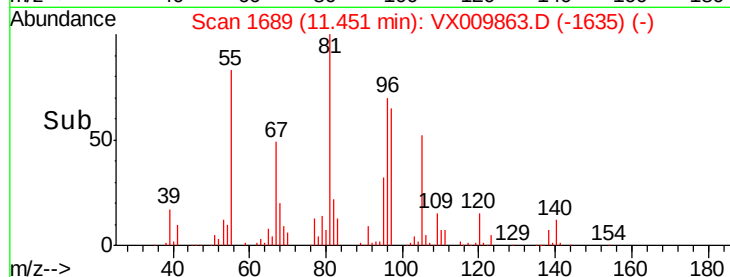
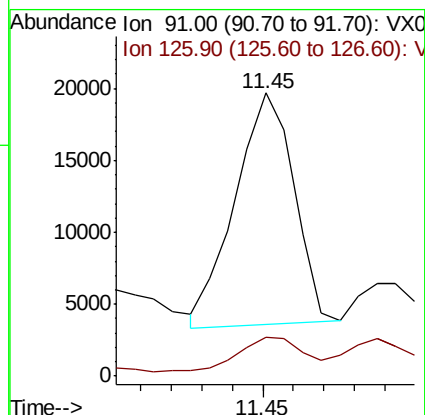
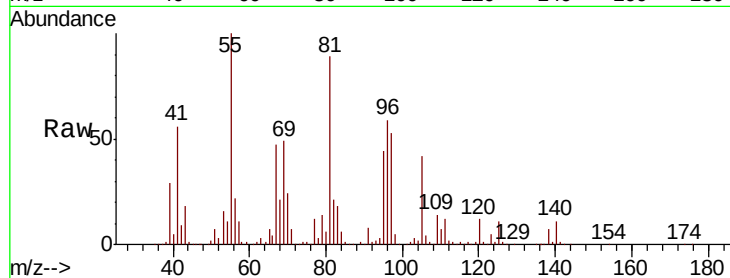
EP1-SB-E2-3R(17-20)

Tot Ion: 91 Resp: 21438

Ion Ratio Lower Upper

91 100

126 16.8 16.3 48.9



#80

1,3,5-Trimethylbenzene

Concen: 2.116 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009863.D

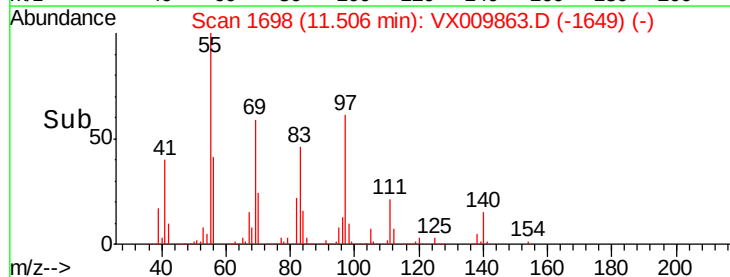
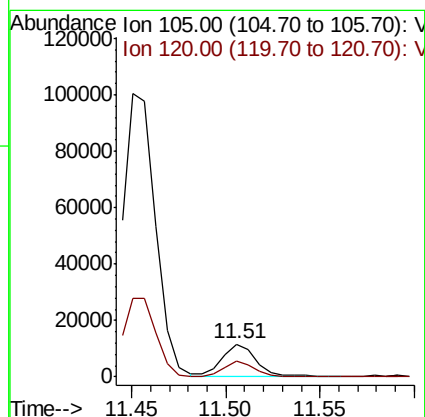
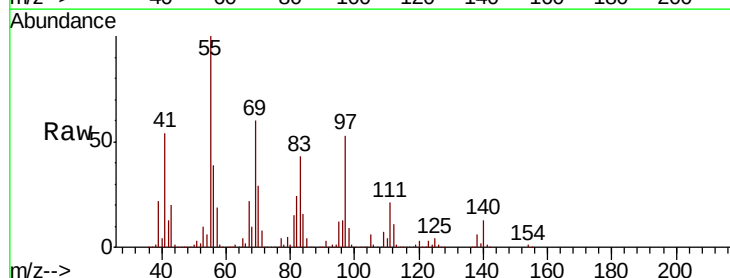
Acq: 23 May 2019 17:04

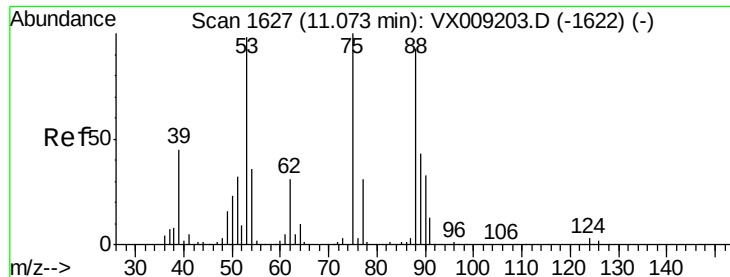
Tgt Ion:105 Resp: 14328

Ion Ratio Lower Upper

105 100

120 44.4 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 2.312 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.05 min

Lab File: VX009863.D

Acq: 23 May 2019 17:04

Instrument :

MSVOA\_X

ClientSampleId :

EP1-SB-E2-3R(17-20)

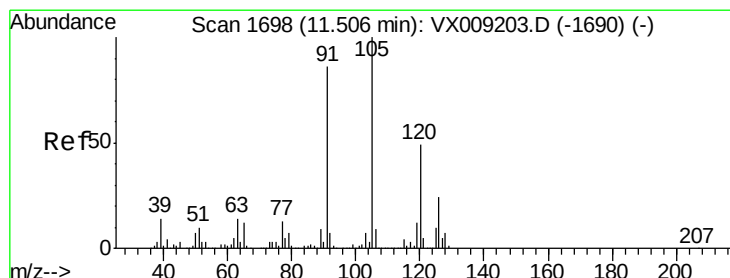
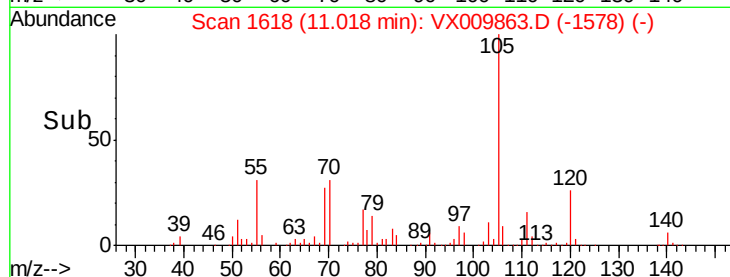
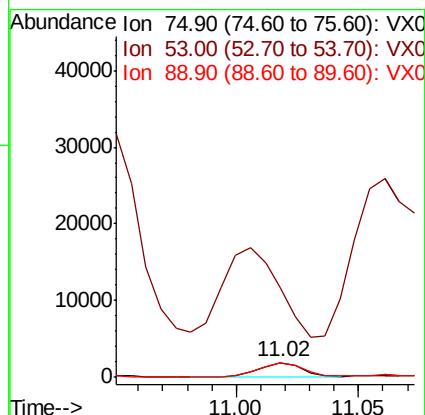
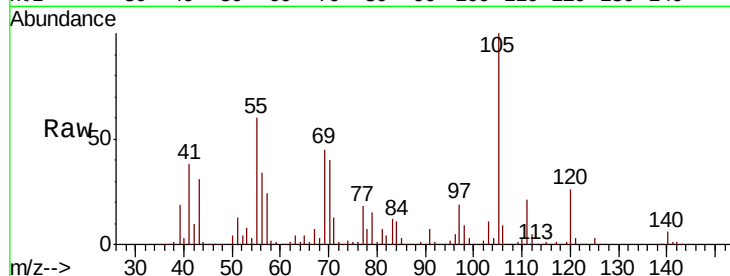
Tot Ion: 75 Resp: 2318

Ion Ratio Lower Upper

75 100

53 781.1 79.0 118.6#

89 117.6 34.7 52.1#



#82

4-Chlorotoluene

Concen: 3.349 ug/l

RT: 11.45 min Scan# 1689

Delta R.T. -0.05 min

Lab File: VX009863.D

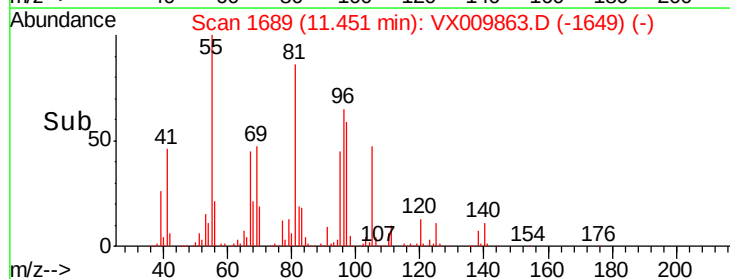
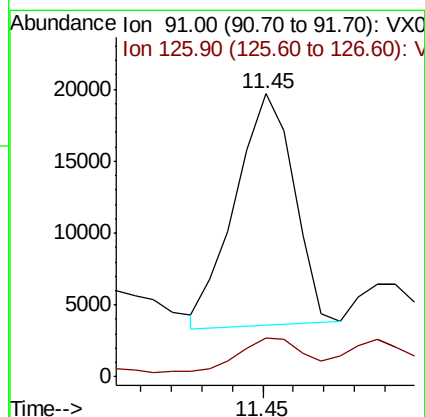
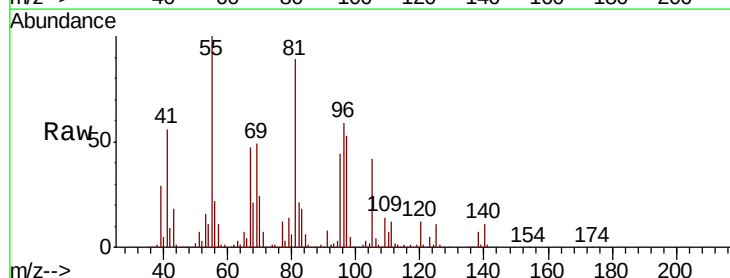
Acq: 23 May 2019 17:04

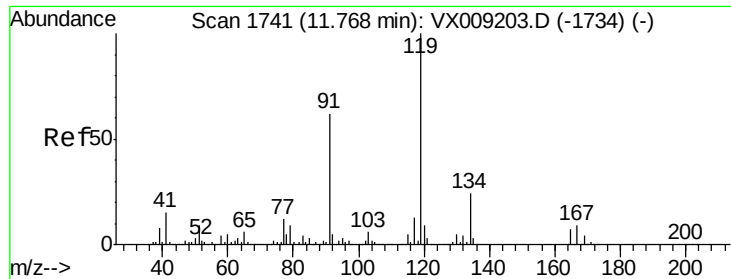
Tgt Ion: 91 Resp: 21438

Ion Ratio Lower Upper

91 100

126 16.8 14.5 43.6





#83

tert-Butylbenzene

Concen: 6.099 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009863.D

Acq: 23 May 2019 17:04

Instrument :

MSVOA\_X

ClientSampleId :

EP1-SB-E2-3R(17-20)

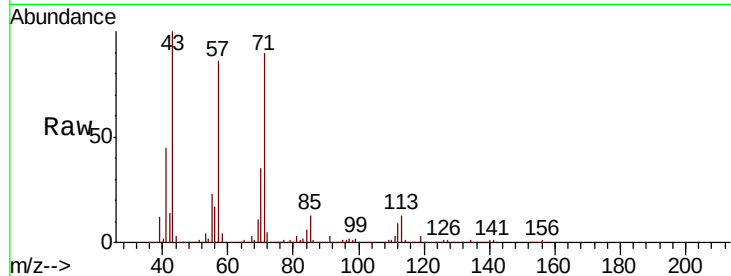
Tot Ion:119 Resp: 40177

Ion Ratio Lower Upper

119 100

91 78.8 29.5 88.5

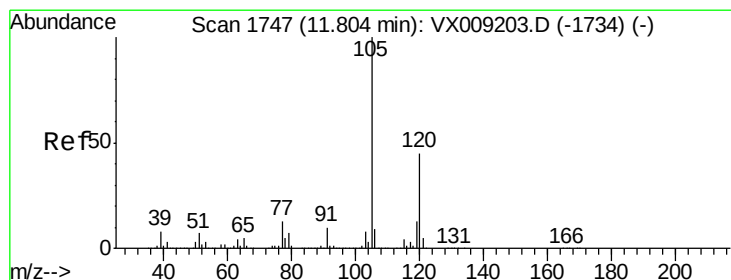
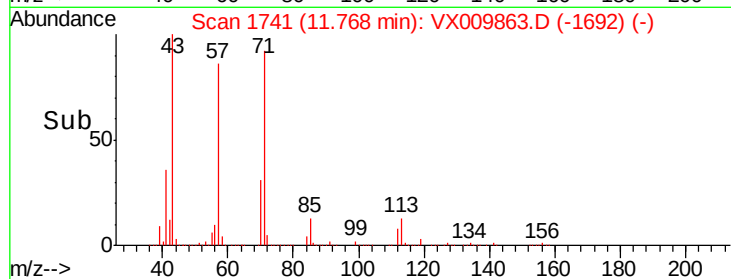
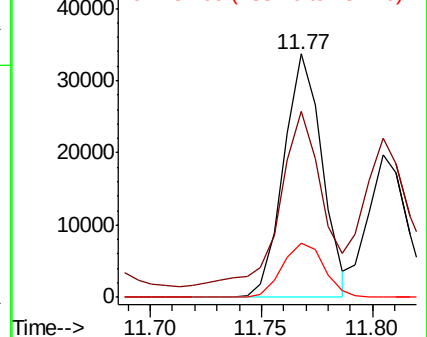
134 24.2 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 28.295 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX009863.D

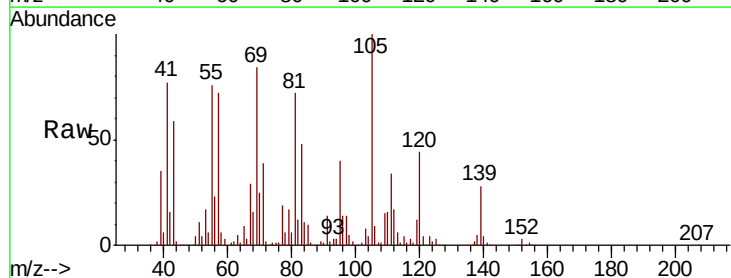
Acq: 23 May 2019 17:04

Tgt Ion:105 Resp: 192320

Ion Ratio Lower Upper

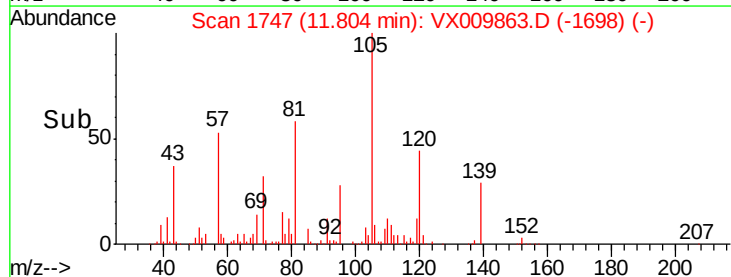
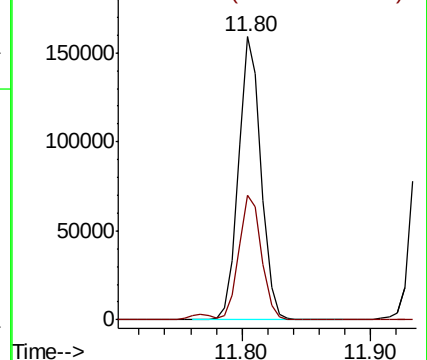
105 100

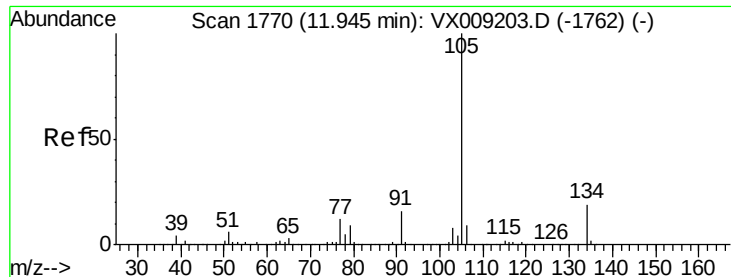
120 44.4 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 46.770 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009863.D

Acq: 23 May 2019 17:04

Instrument :

MSVOA\_X

ClientSampleId :

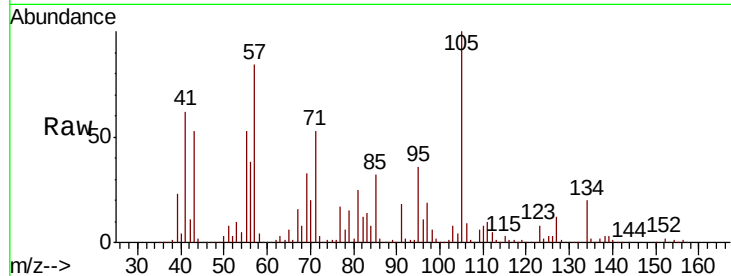
EP1-SB-E2-3R(17-20)

Tot Ion:105 Resp: 365262

Ion Ratio Lower Upper

105 100

134 18.2 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

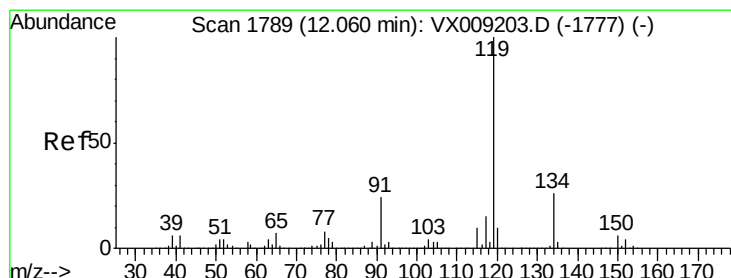
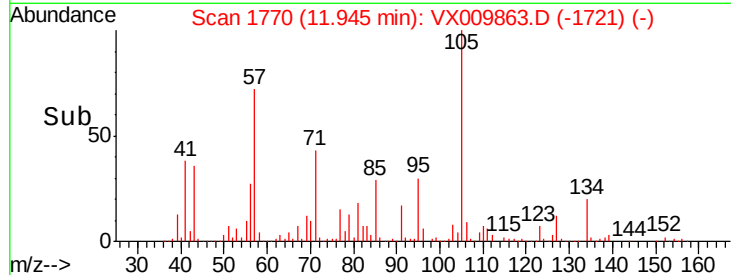
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 7.038 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009863.D

Acq: 23 May 2019 17:04

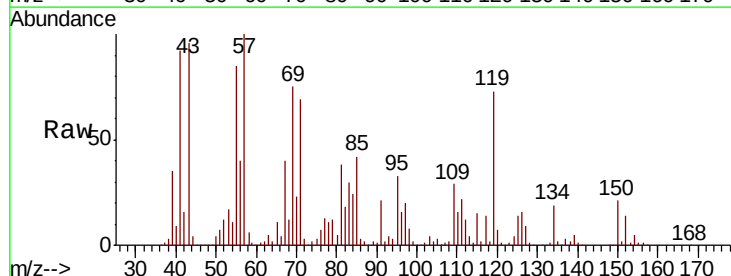
Tgt Ion:119 Resp: 49411

Ion Ratio Lower Upper

119 100

134 26.2 12.9 38.7

91 24.0 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

50000

40000

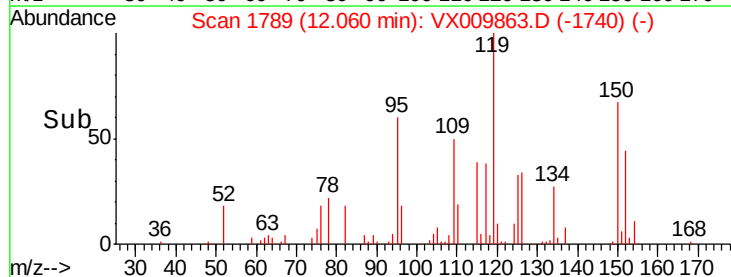
30000

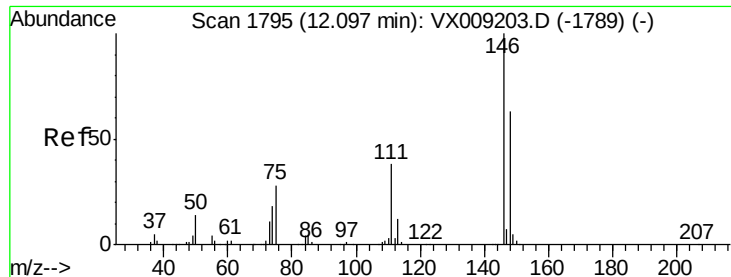
20000

10000

0

Time-->

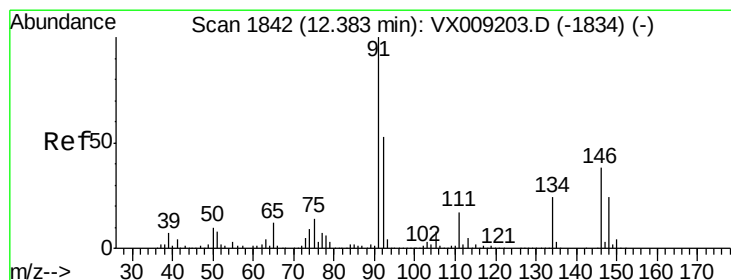
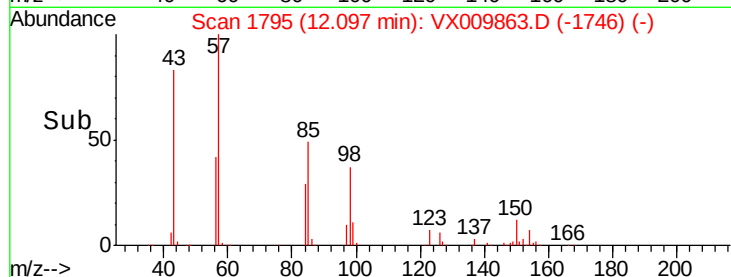
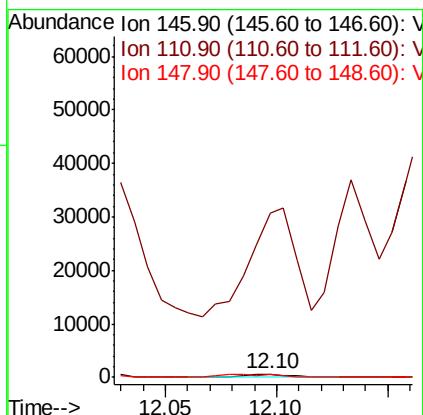
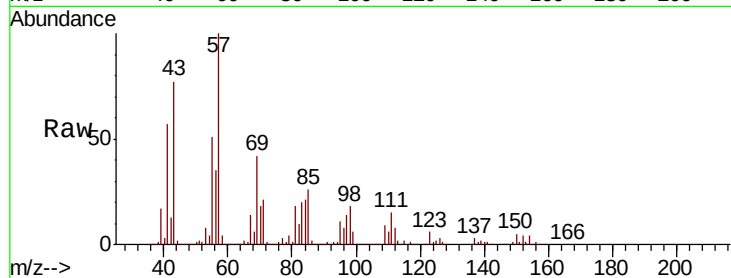




#88  
 1,4-Dichlorobenzene  
 Concen: 0.226 ug/l  
 RT: 12.10 min Scan# 1795  
 Delta R.T. 0.00 min  
 Lab File: VX009863.D  
 Acq: 23 May 2019 17:04

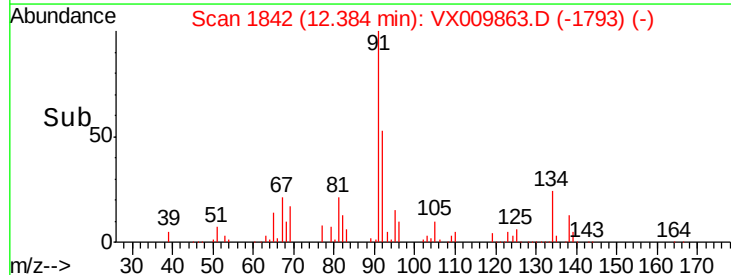
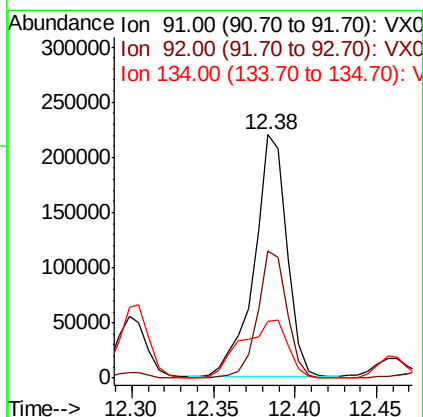
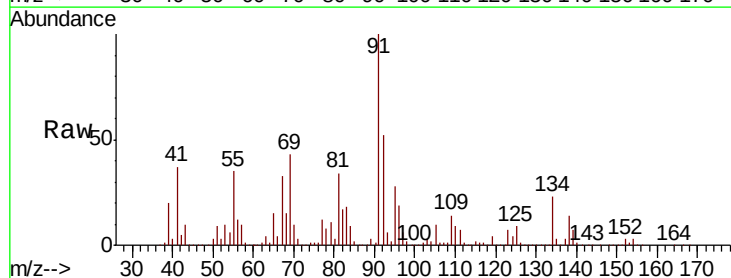
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EP1-SB-E2-3R(17-20)

Tot Ion:146 Resp: 811  
 Ion Ratio Lower Upper  
 146 100  
 111 4120.5 19.6 58.8#  
 148 132.6 31.8 95.3#

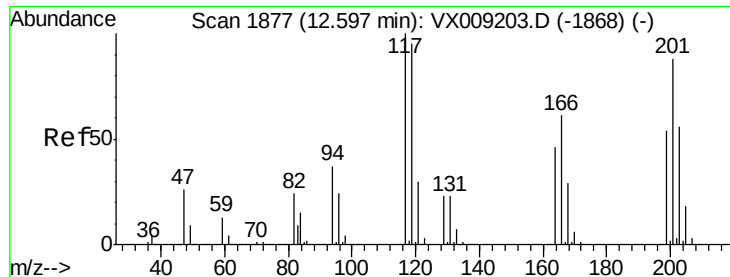


#89  
 n-Butylbenzene  
 Concen: 47.903 ug/l  
 RT: 12.38 min Scan# 1842  
 Delta R.T. 0.00 min  
 Lab File: VX009863.D  
 Acq: 23 May 2019 17:04

Tgt Ion: 91 Resp: 303978  
 Ion Ratio Lower Upper  
 91 100  
 92 47.0 26.5 79.5  
 134 33.7 12.4 37.2







#90

Hexachloroethane

Concen: 4.408 ug/l

RT: 12.58 min Scan# 1875

Delta R.T. -0.01 min

Lab File: VX009863.D

Acq: 23 May 2019 17:04

Instrument :

MSVOA\_X

ClientSampleId :

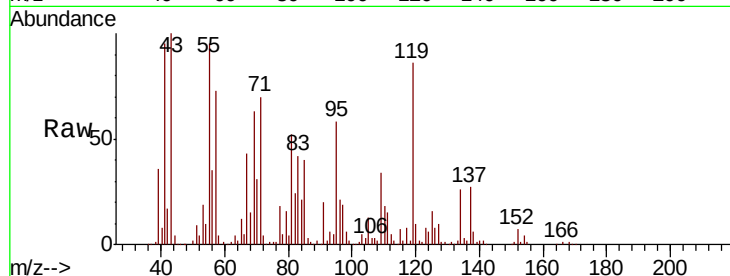
EP1-SB-E2-3R(17-20)

Tot Ion:117 Resp: 5273

Ion Ratio Lower Upper

117 100

201 0.0 42.3 126.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

40000

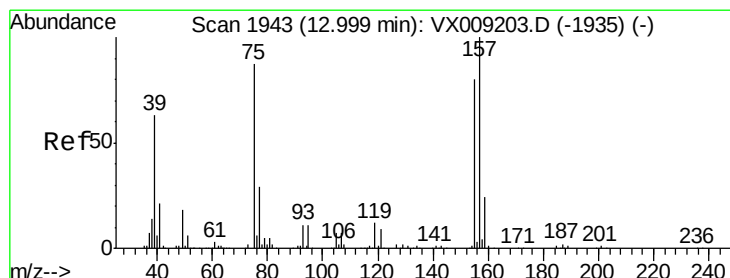
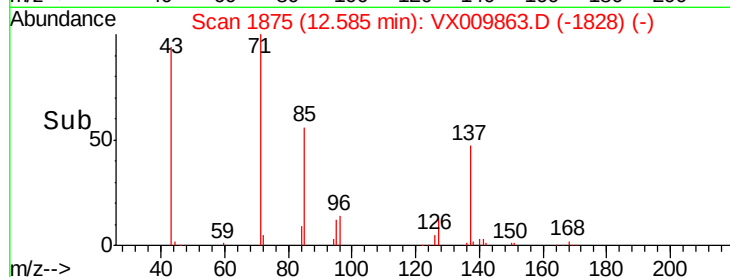
30000

20000

10000

0

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.151 ug/l

RT: 12.97 min Scan# 1939

Delta R.T. -0.02 min

Lab File: VX009863.D

Acq: 23 May 2019 17:04

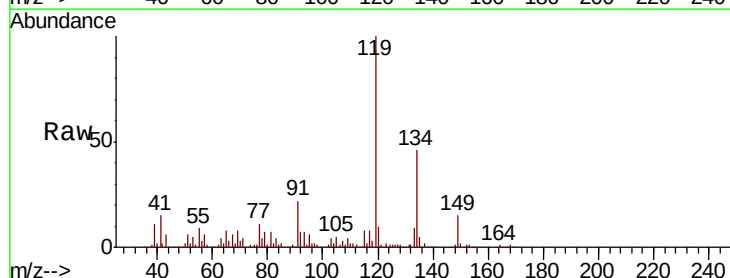
Tgt Ion: 75 Resp: 2119

Ion Ratio Lower Upper

75 100

155 12.5 42.0 126.0#

157 0.0 53.2 159.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

3000

2500

2000

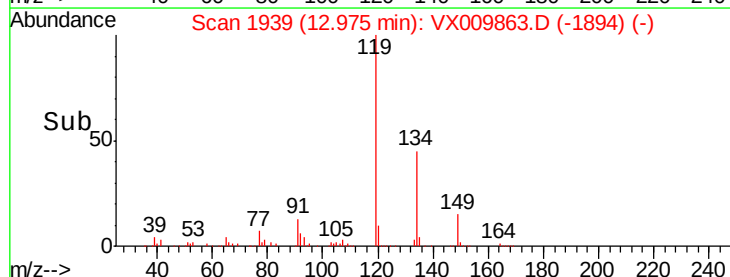
1500

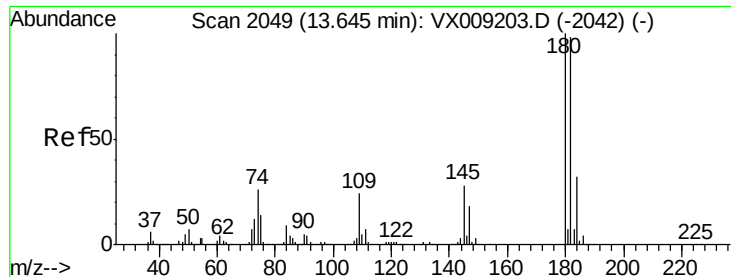
1000

500

0

Time-->

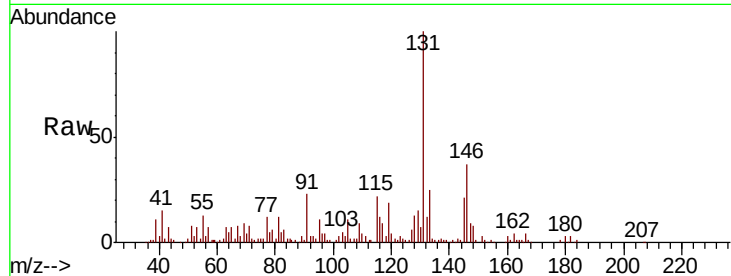




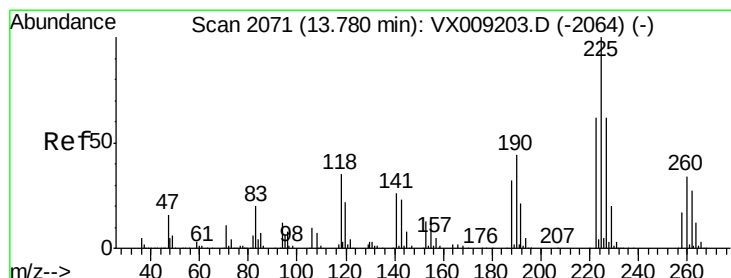
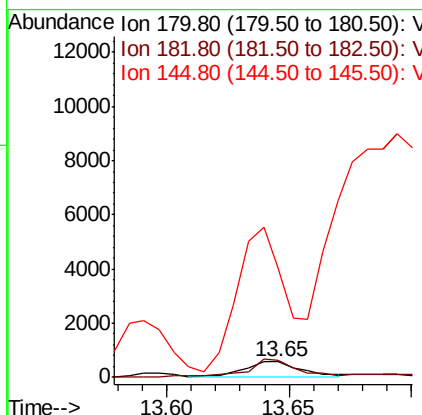
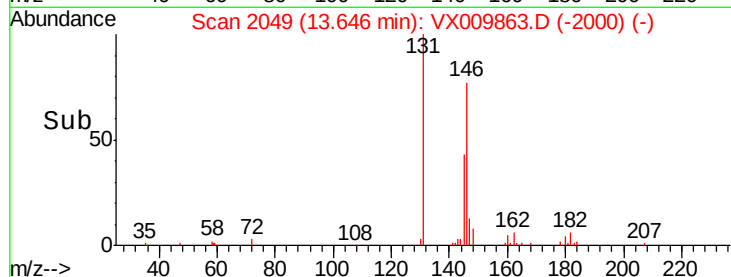
#93  
 1,2,4-Trichlorobenzene  
 Concen: 0.387 ug/l  
 RT: 13.65 min Scan# 2049  
 Delta R.T. 0.00 min  
 Lab File: VX009863.D  
 Acq: 23 May 2019 17:04

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EP1-SB-E2-3R(17-20)

Tot Ion:180 Resp: 959  
 Ion Ratio Lower Upper  
 180 100  
 182 104.2 48.4 145.2  
 145 843.0 14.6 43.8#

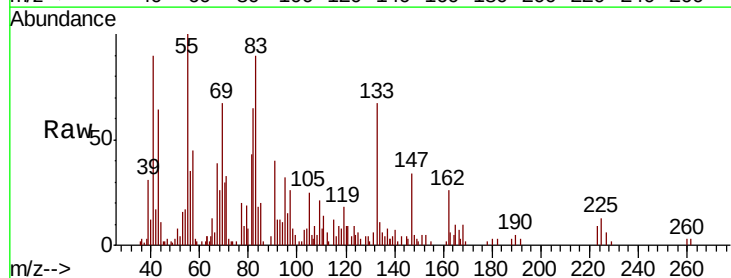


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

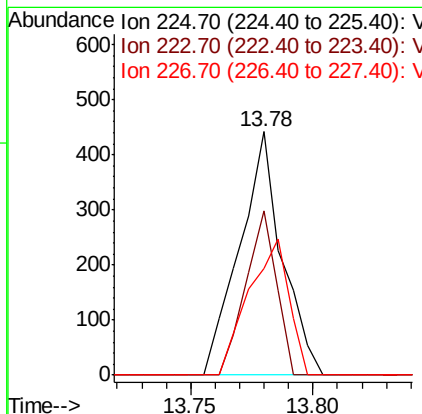
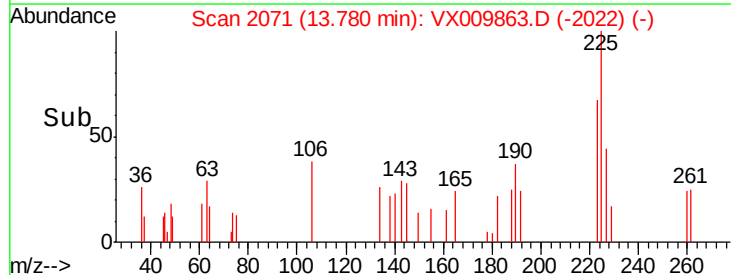


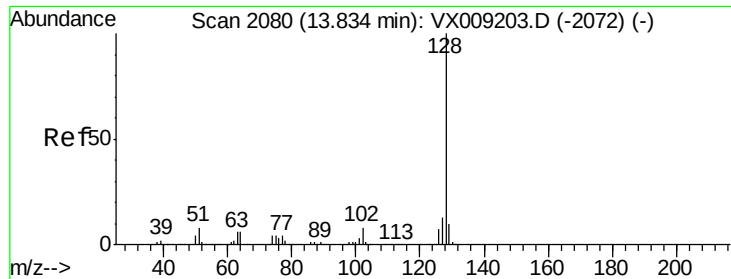
#94  
 Hexachlorobutadiene  
 Concen: 0.423 ug/l  
 RT: 13.78 min Scan# 2071  
 Delta R.T. 0.00 min  
 Lab File: VX009863.D  
 Acq: 23 May 2019 17:04

Tgt Ion:225 Resp: 535  
 Ion Ratio Lower Upper  
 225 100  
 223 48.8 31.3 93.8  
 227 53.3 31.8 95.3



Abundance Ion 224.70 (224.40 to 225.40): V  
 Ion 222.70 (222.40 to 223.40): V  
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 0.380 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009863.D

Acq: 23 May 2019 17:04

Instrument :

MSVOA\_X

ClientSampleId :

EP1-SB-E2-3R(17-20)

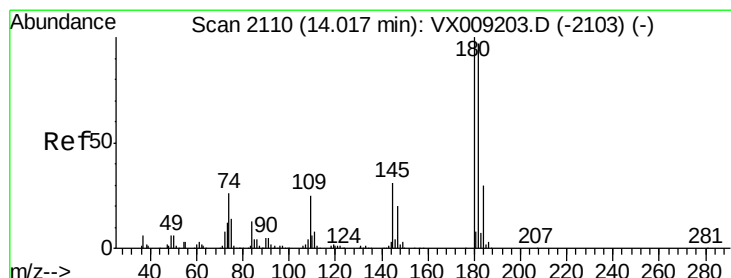
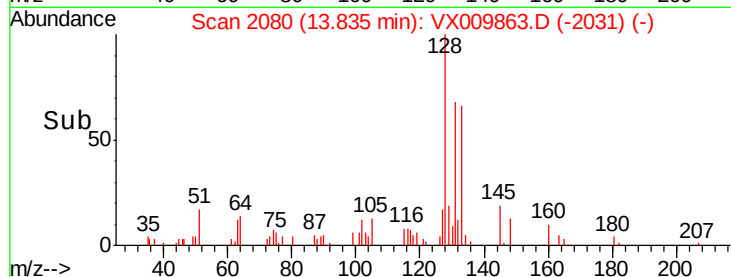
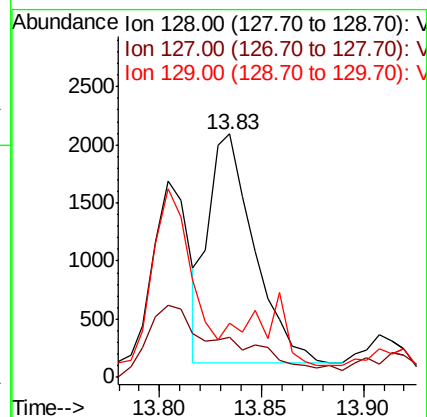
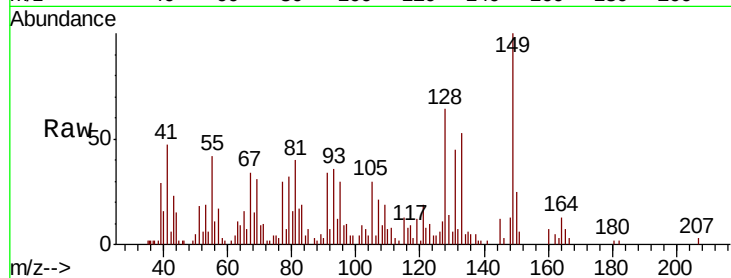
Tot Ion:128 Resp: 3068

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 0.427 ug/l

RT: 14.01 min Scan# 2109

Delta R.T. -0.01 min

Lab File: VX009863.D

Acq: 23 May 2019 17:04

Tgt Ion:180 Resp: 1073

Ion Ratio Lower Upper

180 100

182 68.8 47.8 143.4

145 376.8 15.4 46.4#

