

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX111518\  
 Data File : VX006029.D  
 Acq On : 15 Nov 2018 19:20  
 Operator : JC/MD  
 Sample : J5911-04  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FDSB-08(20-22)

Quant Time: Nov 16 09:21:53 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 07 14:40:53 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 142652   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 205171   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 176762   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 122481   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 79120    | 48.24 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 96.48%  |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 64323    | 46.09 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 92.18%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 240925   | 51.93 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 103.86% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 89573    | 53.70 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 107.40% |          |

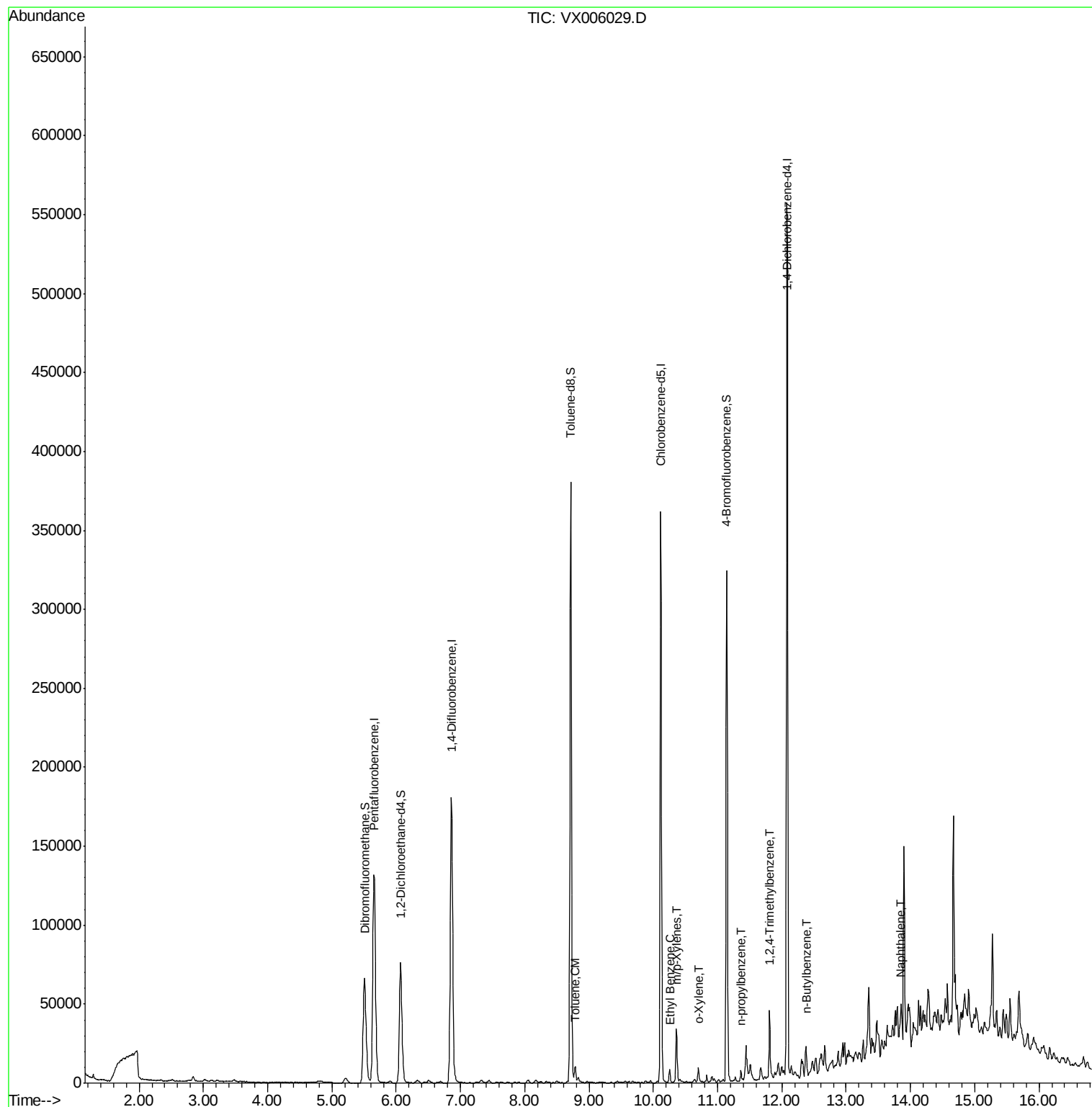
| Target Compounds           | R.T.  | QIon | Response | Conc | Units  | Qvalue |
|----------------------------|-------|------|----------|------|--------|--------|
| 52) Toluene                | 8.79  | 92   | 3961     | 1.23 | ug/l   | 100    |
| 67) Ethyl Benzene          | 10.26 | 91   | 5350     | 0.94 | ug/l   | 90     |
| 68) m/p-Xylenes            | 10.36 | 106  | 8009     | 3.70 | ug/l   | 97     |
| 69) o-Xylene               | 10.70 | 106  | 2145     | 1.10 | ug/l   | 100    |
| 78) n-propylbenzene        | 11.37 | 91   | 4726     | 0.57 | ug/l   | 99     |
| 84) 1,2,4-Trimethylbenzene | 11.81 | 105  | 18400    | 2.66 | ug/l   | 98     |
| 89) n-Butylbenzene         | 12.39 | 91   | 2966     | 0.49 | ug/l # | 51     |
| 95) Naphthalene            | 13.83 | 128  | 9233     | 2.20 | ug/l # | 84     |

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

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Sample : J5911-04  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FDSB-08(20-22)

Quant Time: Nov 16 09:21:53 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 07 14:40:53 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX006029.D

Acq: 15 Nov 2018 19:20

Instrument :

MSVOA\_X

ClientSampleId :

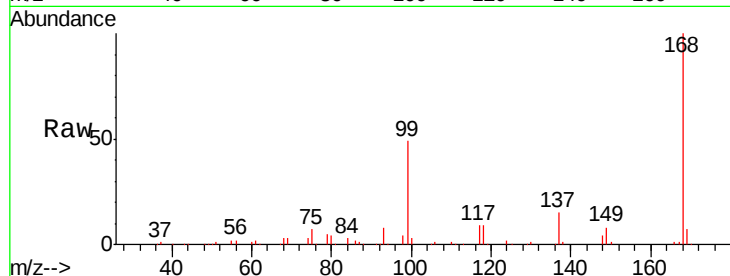
FDSB-08(20-22)

Tgt Ion:168 Resp: 142652

Ion Ratio Lower Upper

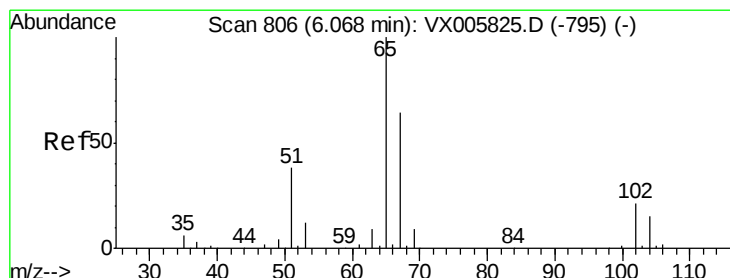
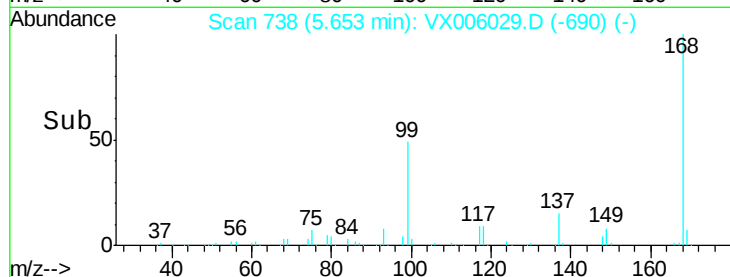
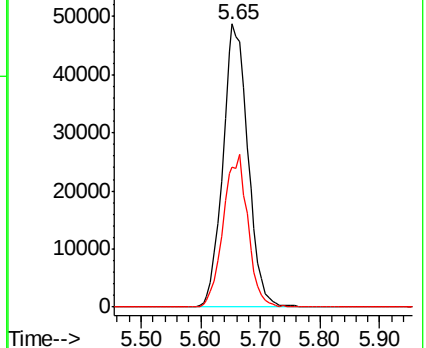
168 100

99 49.3 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.24 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX006029.D

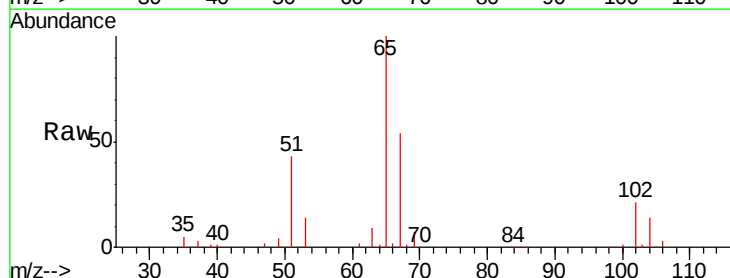
Acq: 15 Nov 2018 19:20

Tgt Ion: 65 Resp: 79120

Ion Ratio Lower Upper

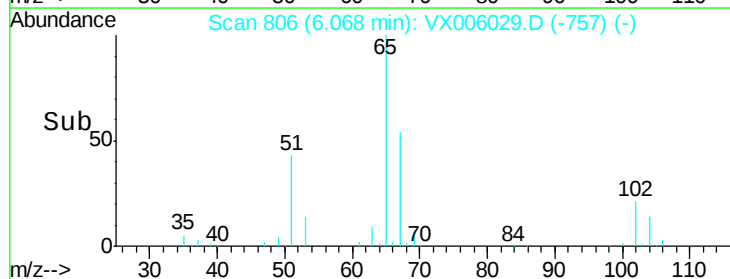
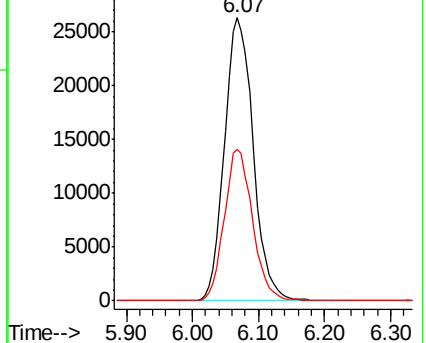
65 100

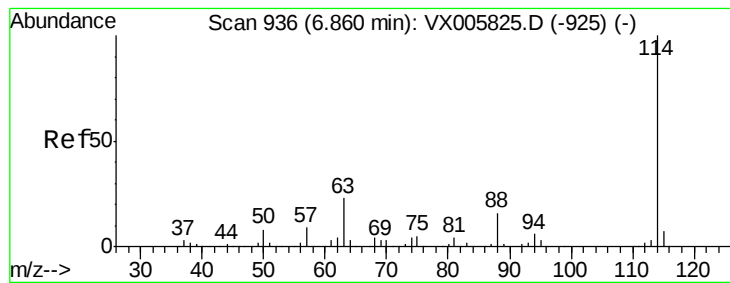
67 52.7 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006029.D

Acq: 15 Nov 2018 19:20

Instrument :

MSVOA\_X

ClientSampleId :

FDSB-08(20-22)

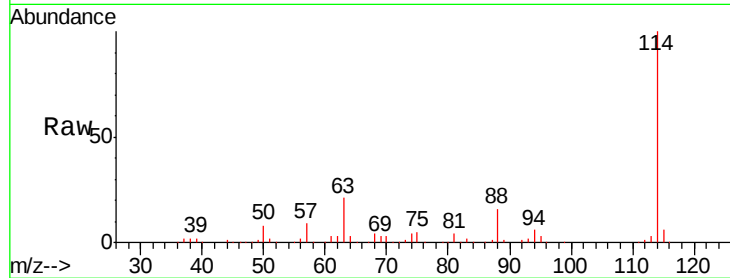
Tgt Ion:114 Resp: 205171

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.8

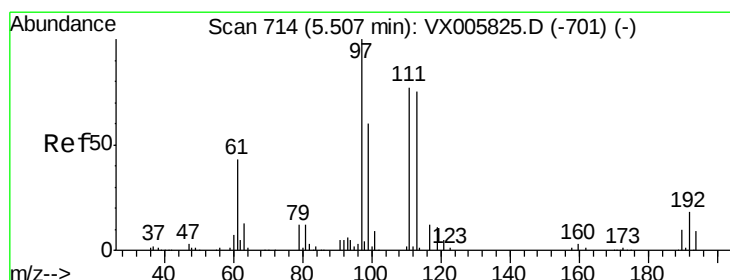
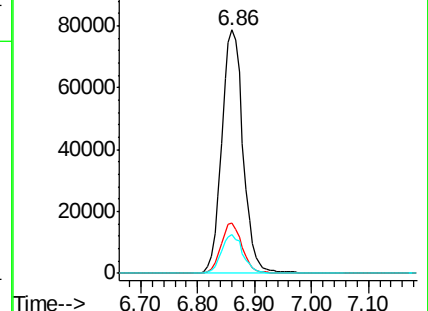
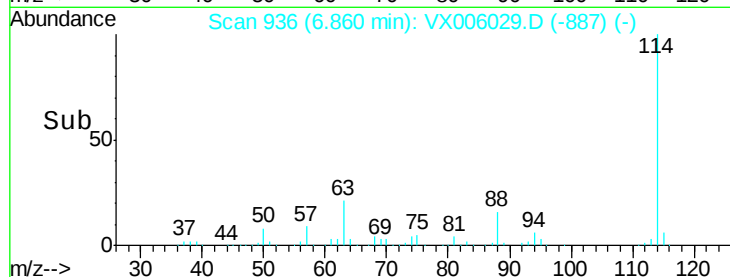
88 15.9 0.0 31.2



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: 46.09 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX006029.D

Acq: 15 Nov 2018 19:20

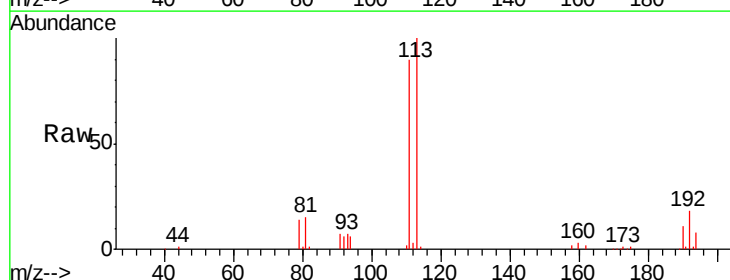
Tgt Ion:113 Resp: 64323

Ion Ratio Lower Upper

113 100

111 103.3 82.3 123.5

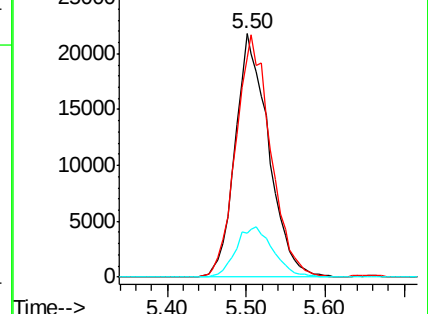
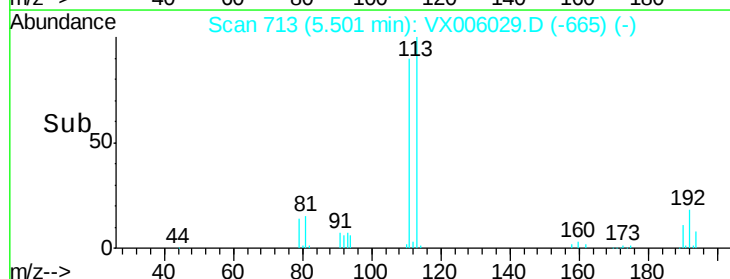
192 22.8 17.9 26.9

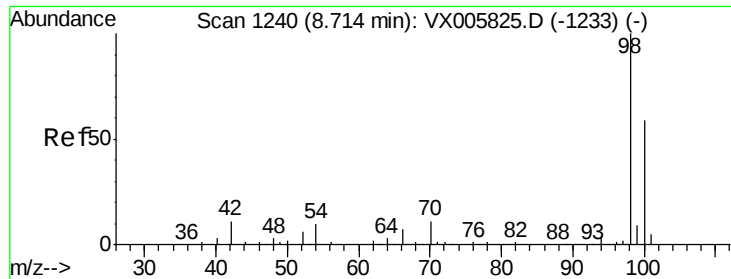


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

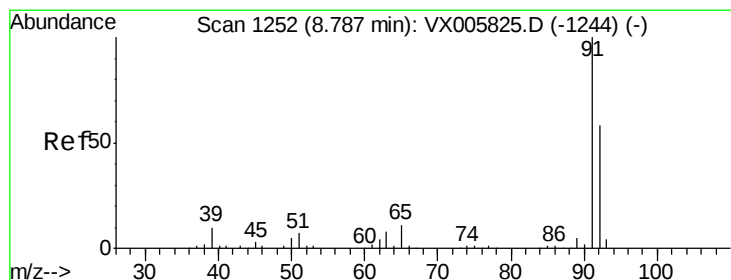
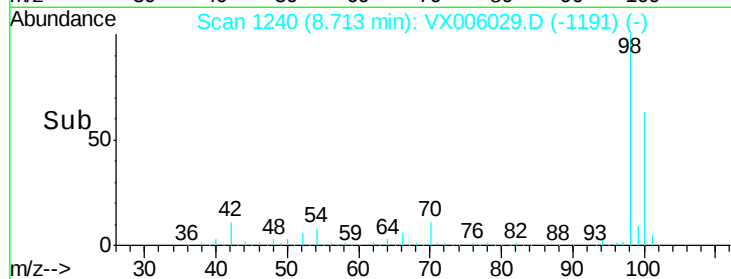
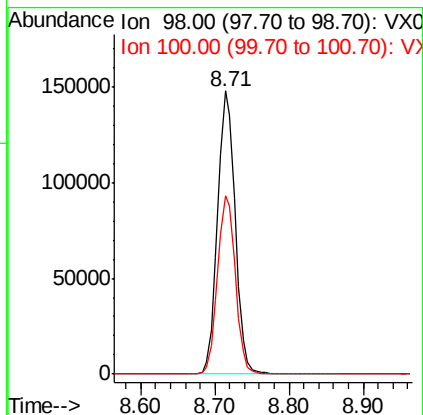
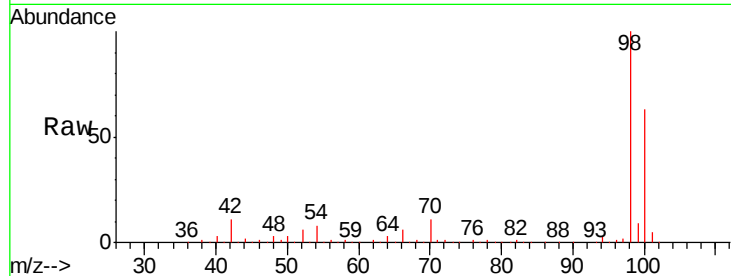




#50  
Toluene-d8  
Concen: 51.93 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. -0.00 min  
Lab File: VX006029.D  
Acq: 15 Nov 2018 19:20

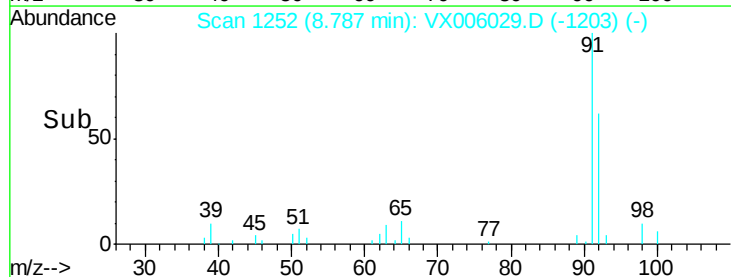
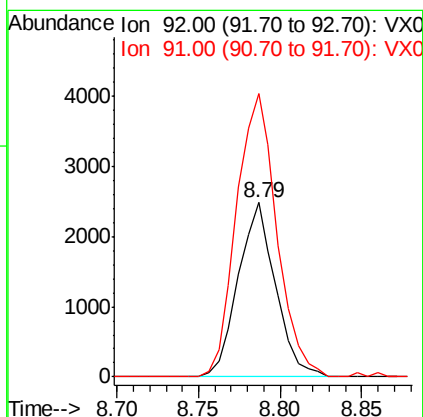
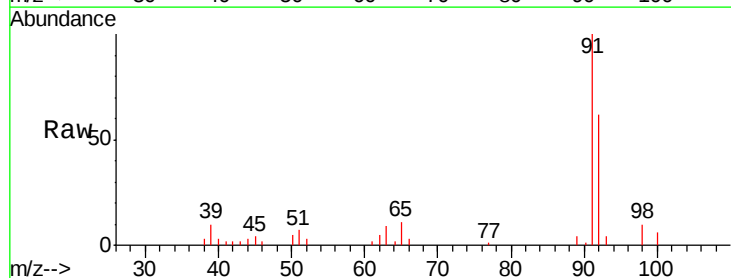
Instrument :  
MSVOA\_X  
ClientSampleId :  
FDSB-08(20-22)

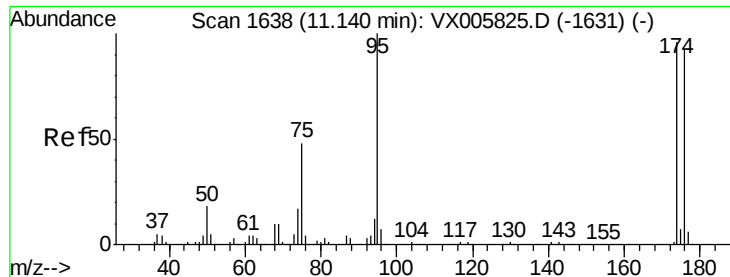
Tgt Ion: 98 Resp: 240925  
Ion Ratio Lower Upper  
98 100  
100 63.7 51.3 76.9



#52  
Toluene  
Concen: 1.23 ug/l  
RT: 8.79 min Scan# 1252  
Delta R.T. -0.00 min  
Lab File: VX006029.D  
Acq: 15 Nov 2018 19:20

Tgt Ion: 92 Resp: 3961  
Ion Ratio Lower Upper  
92 100  
91 175.0 140.4 210.6





#62

4-Bromofluorobenzene

Concen: 53.70 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006029.D

Acq: 15 Nov 2018 19:20

Instrument :

MSVOA\_X

ClientSampleId :

FDSB-08(20-22)

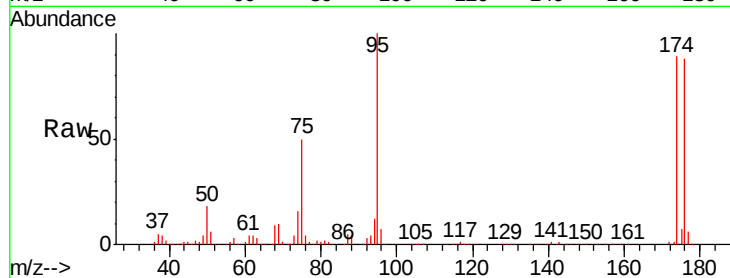
Tgt Ion: 95 Resp: 89573

Ion Ratio Lower Upper

95 100

174 92.1 0.0 184.4

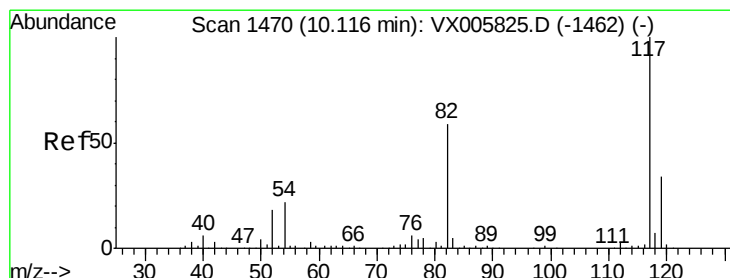
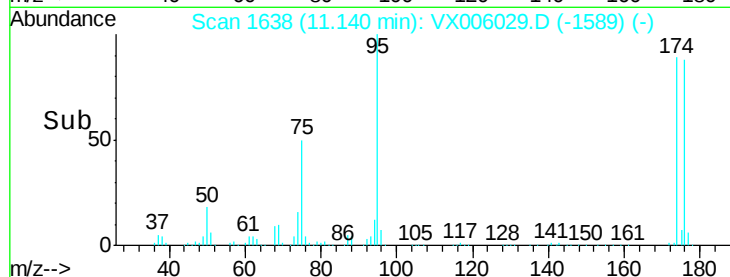
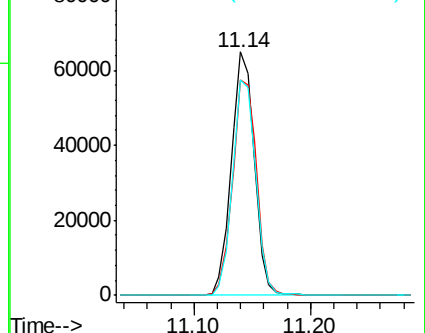
176 89.6 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX006029.D

Acq: 15 Nov 2018 19:20

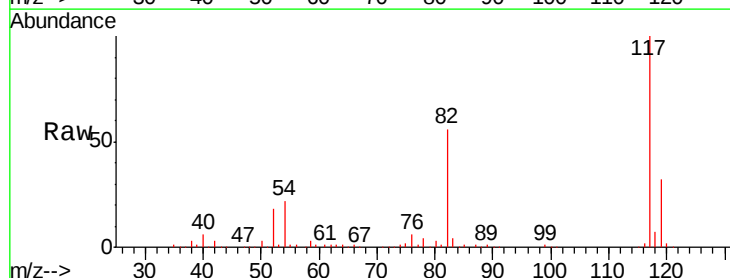
Tgt Ion: 117 Resp: 176762

Ion Ratio Lower Upper

117 100

82 55.7 44.1 66.1

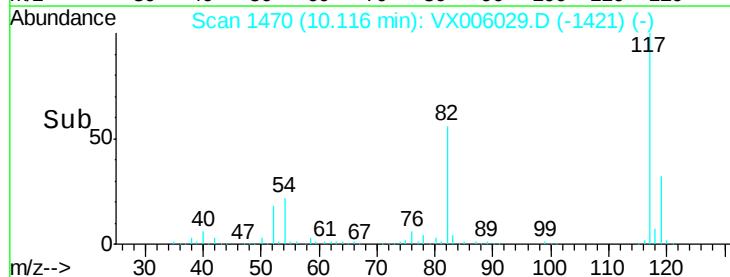
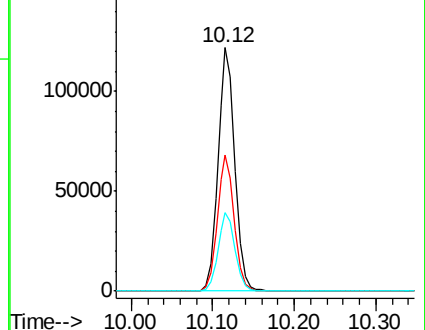
119 32.1 26.2 39.2

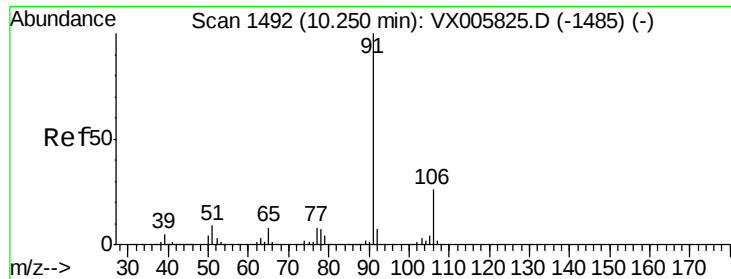


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

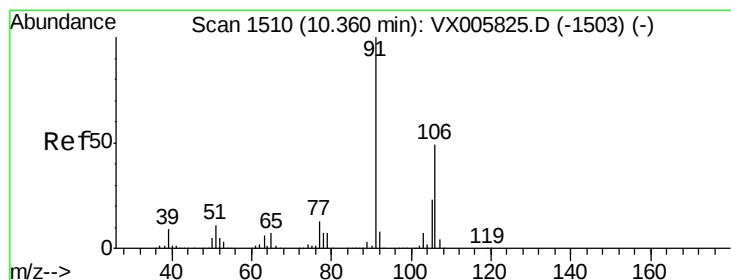
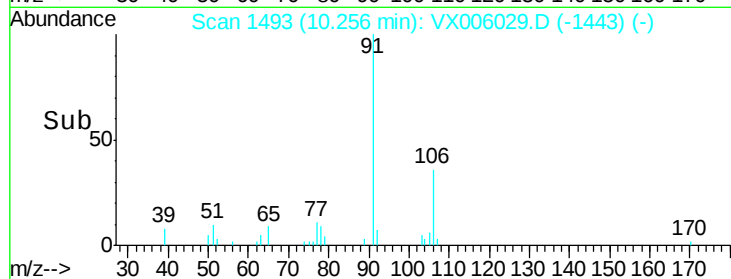
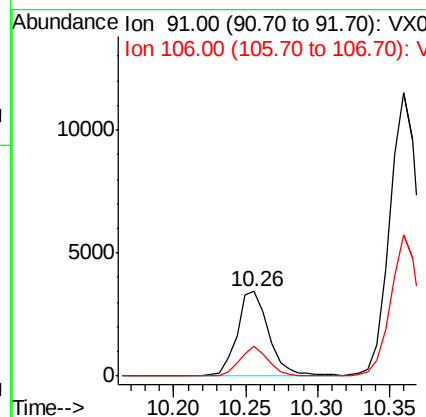
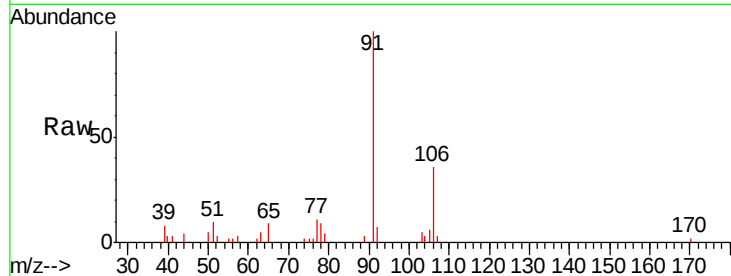




#67  
Ethyl Benzene  
Concen: 0.94 ug/l  
RT: 10.26 min Scan# 1493  
Delta R.T. 0.01 min  
Lab File: VX006029.D  
Acq: 15 Nov 2018 19:20

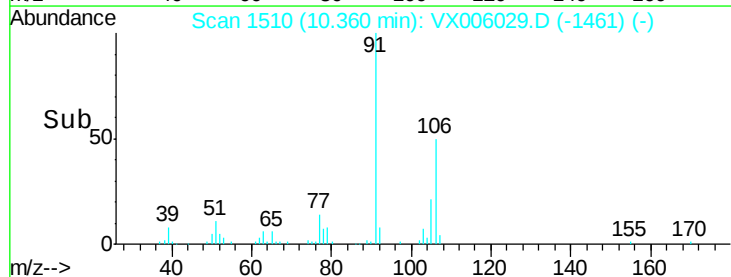
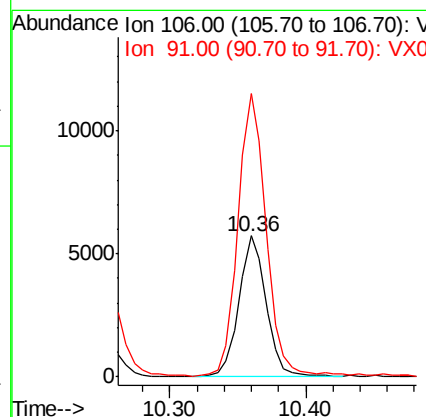
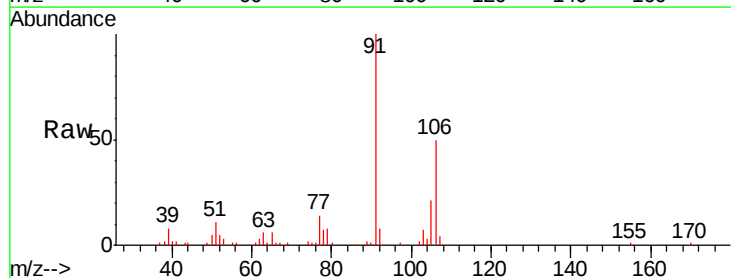
Instrument :  
MSVOA\_X  
ClientSampled :  
FDSB-08(20-22)

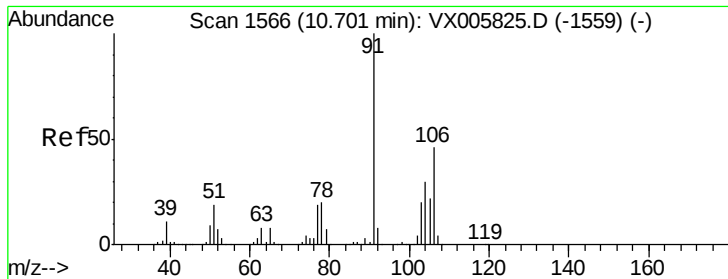
Tgt Ion: 91 Resp: 5350  
Ion Ratio Lower Upper  
91 100  
106 36.0 24.4 36.6



#68  
m/p-Xylenes  
Concen: 3.70 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. -0.00 min  
Lab File: VX006029.D  
Acq: 15 Nov 2018 19:20

Tgt Ion: 106 Resp: 8009  
Ion Ratio Lower Upper  
106 100  
91 209.7 164.2 246.4

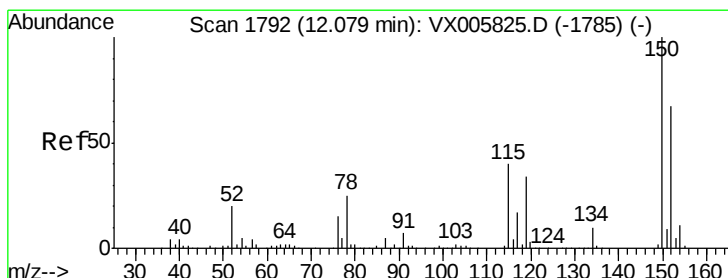
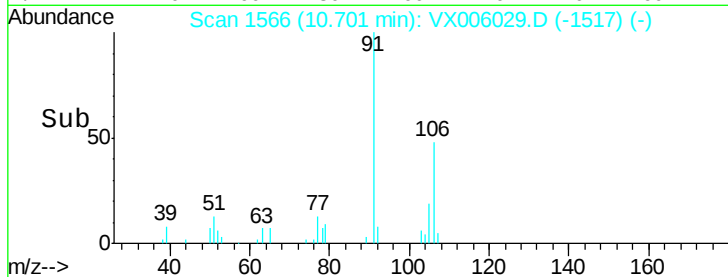
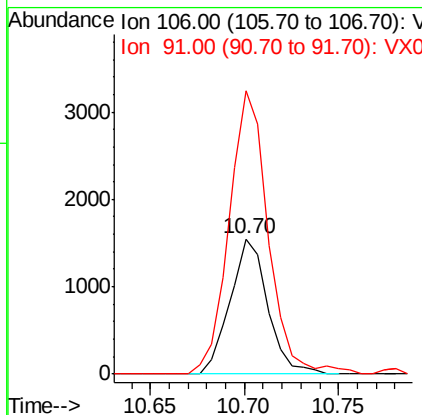
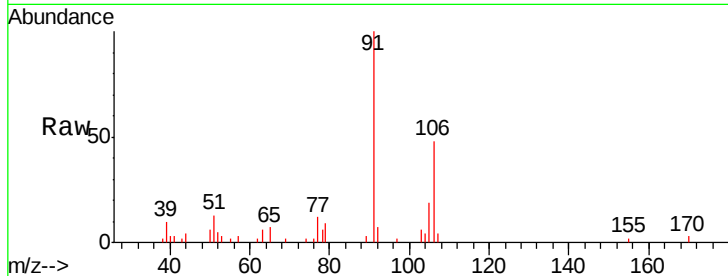




#69  
o-Xylene  
Concen: 1.10 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. -0.00 min  
Lab File: VX006029.D  
Acq: 15 Nov 2018 19:20

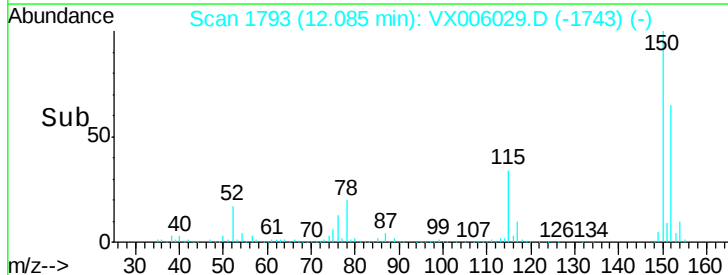
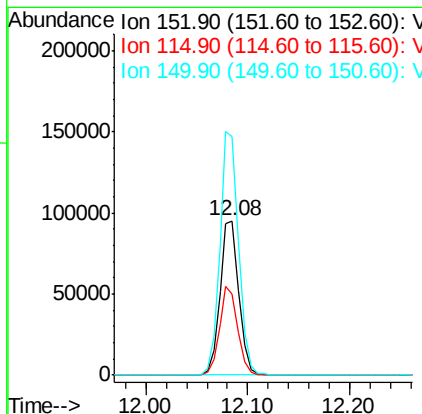
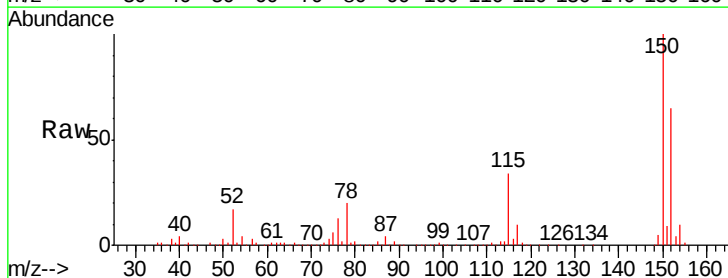
Instrument :  
MSVOA\_X  
ClientSampleId :  
FDSB-08(20-22)

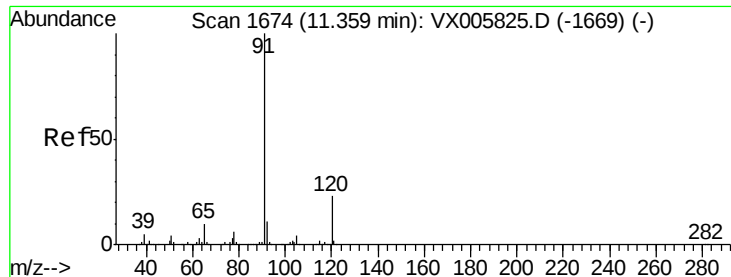
Tgt Ion:106 Resp: 2145  
Ion Ratio Lower Upper  
106 100  
91 217.1 108.5 325.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.08 min Scan# 1793  
Delta R.T. 0.01 min  
Lab File: VX006029.D  
Acq: 15 Nov 2018 19:20

Tgt Ion:152 Resp: 122481  
Ion Ratio Lower Upper  
152 100  
115 55.3 39.4 118.1  
150 157.1 0.0 346.4





#78

n-propylbenzene

Concen: 0.57 ug/l

RT: 11.37 min Scan# 1675

Delta R.T. 0.01 min

Lab File: VX006029.D

Acq: 15 Nov 2018 19:20

Instrument :

MSVOA\_X

ClientSampleId :

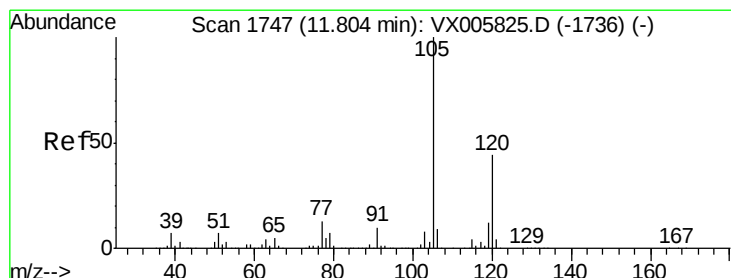
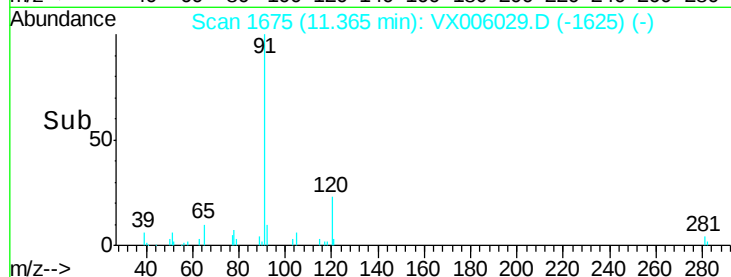
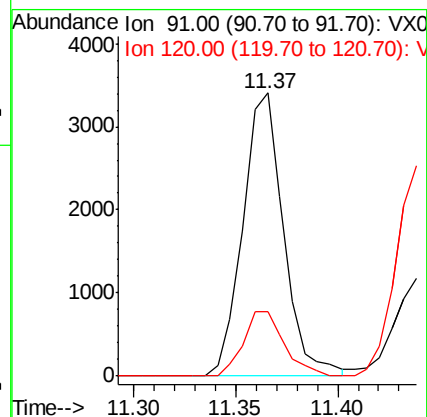
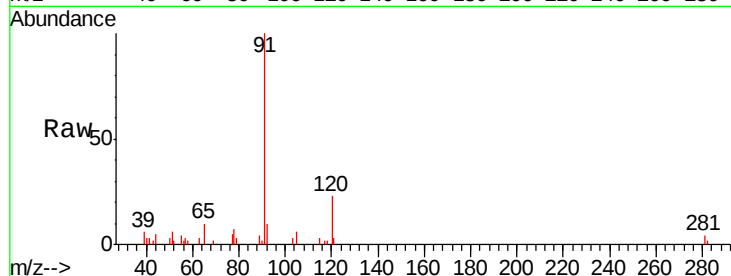
FDSB-08(20-22)

Tgt Ion: 91 Resp: 4726

Ion Ratio Lower Upper

91 100

120 23.0 11.9 35.5



#84

1,2,4-Trimethylbenzene

Concen: 2.66 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VX006029.D

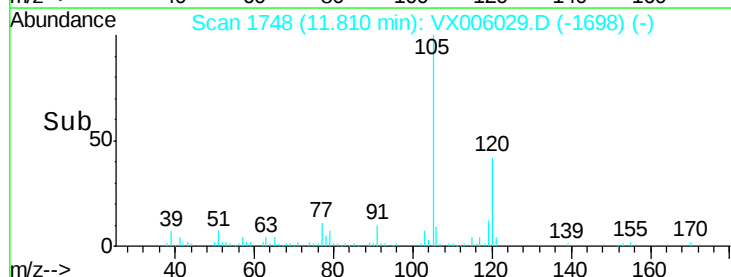
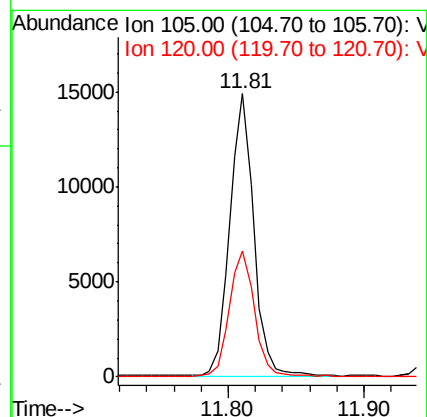
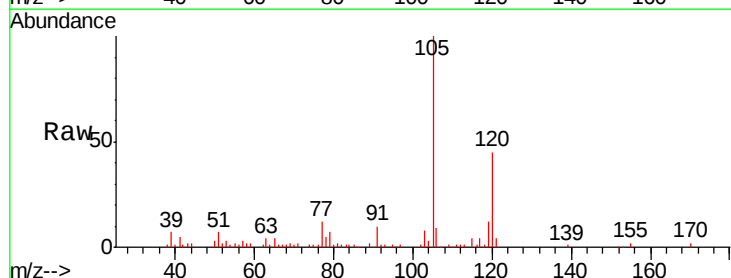
Acq: 15 Nov 2018 19:20

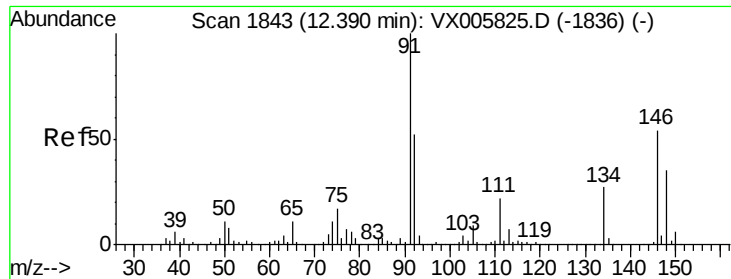
Tgt Ion: 105 Resp: 18400

Ion Ratio Lower Upper

105 100

120 46.3 22.4 67.0

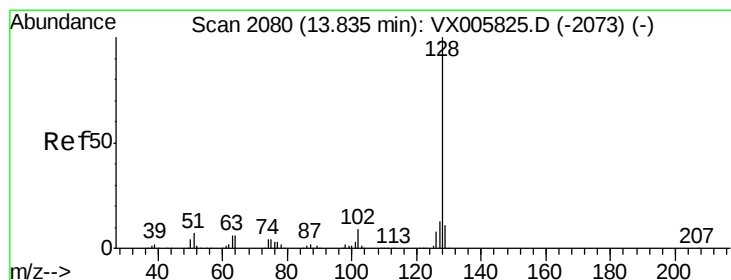
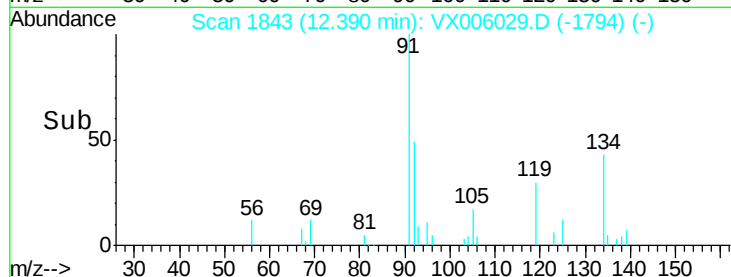
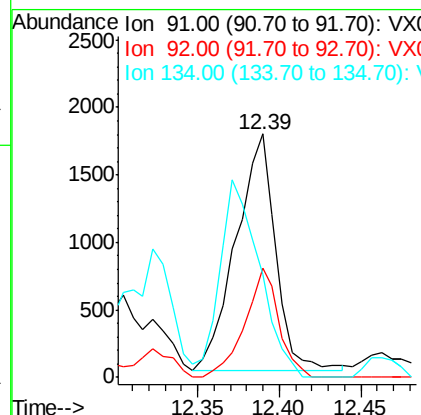
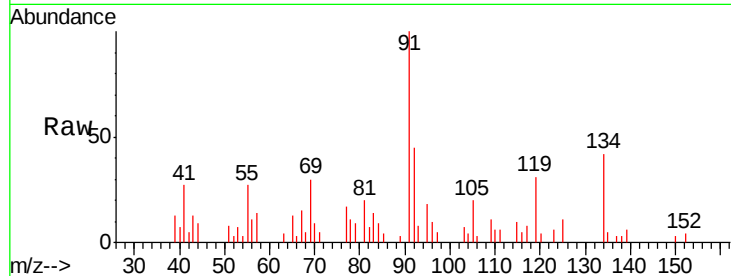




#89  
n-Butylbenzene  
Concen: 0.49 ug/l  
RT: 12.39 min Scan# 1843  
Delta R.T. -0.00 min  
Lab File: VX006029.D  
Acq: 15 Nov 2018 19:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
FDSB-08(20-22)

Tgt Ion: 91 Resp: 2966  
Ion Ratio Lower Upper  
91 100  
92 39.7 26.1 78.2  
134 83.9 13.1 39.3#



#95  
Naphthalene  
Concen: 2.20 ug/l  
RT: 13.83 min Scan# 2080  
Delta R.T. 0.00 min  
Lab File: VX006029.D  
Acq: 15 Nov 2018 19:20

Tgt Ion: 128 Resp: 9233  
Ion Ratio Lower Upper  
128 100  
127 18.0 10.4 15.6#  
129 18.5 8.7 13.1#

