

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100518\  
 Data File : VX005072.D  
 Acq On : 05 Oct 2018 17:58  
 Operator : JC/MD  
 Sample : J5194-01ME  
 Misc : 6.51g/5mL/100uL/5.0mL/MSVOA\_X/MEOH  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 HR-06-100218-AME

Quant Time: Oct 05 19:29:58 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 03 04:00:03 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 190616   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 312909   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 333551   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 198767   | 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   | 156175   | 57.35 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 114.70% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 122673   | 46.26 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 92.52%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 469543   | 53.26 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 106.52% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 193552   | 60.94 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 121.88% |          |

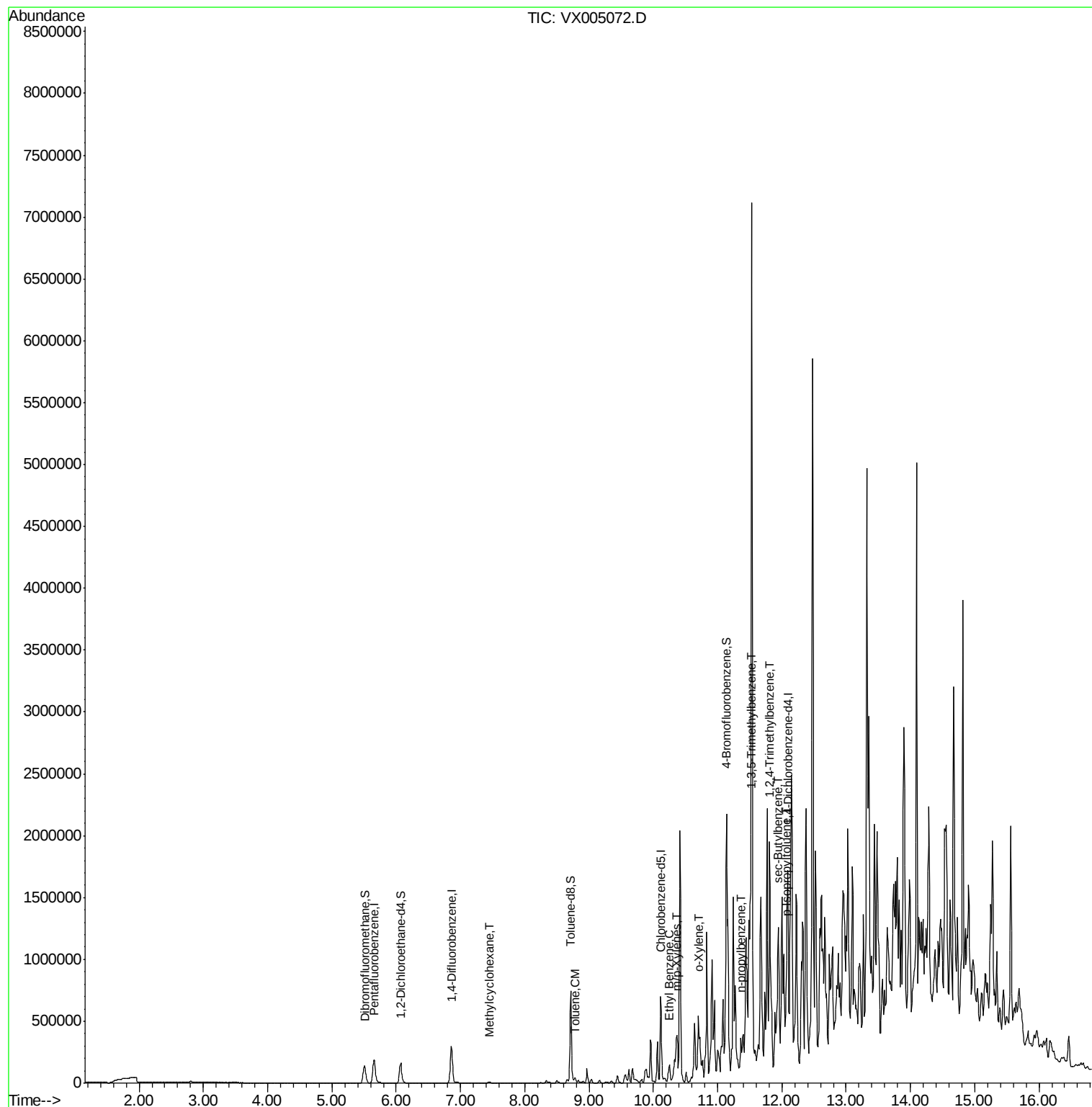
| Target Compounds           | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|----------------------------|-------|------|----------|--------|-------|--------|
| 39) Methylcyclohexane      | 7.45  | 83   | 3807     | 1.030  | ug/l  | 97     |
| 52) Toluene                | 8.79  | 92   | 12234    | 1.966  | ug/l  | 97     |
| 67) Ethyl Benzene          | 10.26 | 91   | 60792    | 4.477  | ug/l  | 95     |
| 68) m/p-Xylenes            | 10.36 | 106  | 62811    | 11.837 | ug/l  | 94     |
| 69) o-Xylene               | 10.70 | 106  | 101350   | 20.794 | ug/l  | 99     |
| 78) n-propylbenzene        | 11.36 | 91   | 160150   | 11.141 | ug/l  | 98     |
| 80) 1,3,5-Trimethylbenzene | 11.51 | 105  | 471378   | 41.015 | ug/l  | 100    |
| 84) 1,2,4-Trimethylbenzene | 11.81 | 105  | 639827   | 54.046 | ug/l  | 99     |
| 85) sec-Butylbenzene       | 11.95 | 105  | 161892   | 12.885 | ug/l  | 84     |
| 86) p-Isopropyltoluene     | 12.07 | 119  | 120785   | 10.611 | ug/l  | 100    |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100518\  
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Operator : JC/MD  
Sample : J5194-01ME  
Misc : 6.51g/5mL/100uL/5.0mL/MSVOA\_X/MEOH  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
HR-06-100218-AME

Quant Time: Oct 05 19:29:58 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 03 04:00:03 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX005072.D

Acq: 05 Oct 2018 17:58

Instrument :

MSVOA\_X

ClientSampleId :

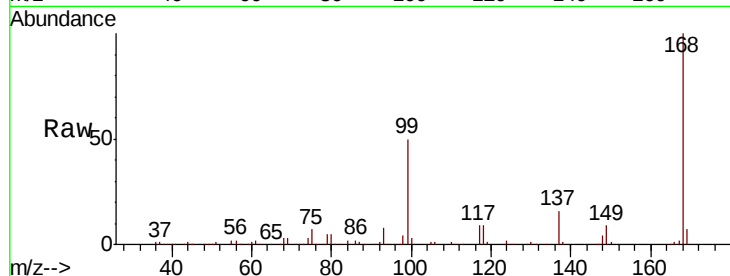
HR-06-100218-AME

Tot Ion:168 Resp: 190616

Ion Ratio Lower Upper

168 100

99 49.8 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

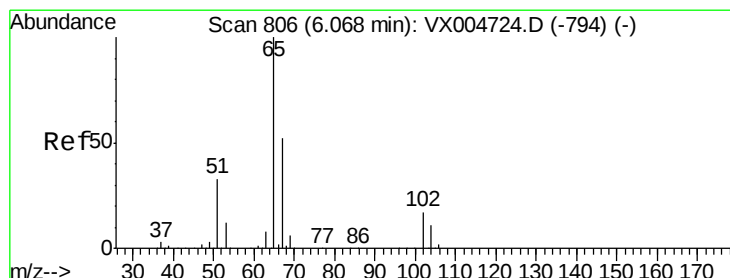
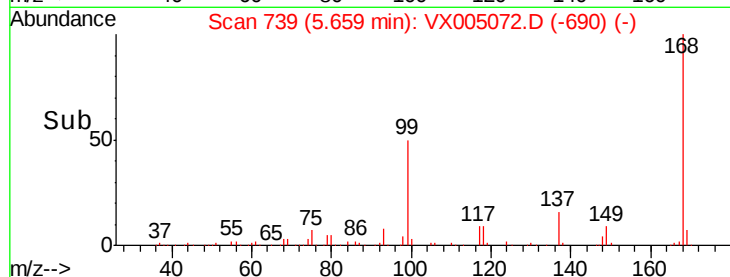
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 57.355 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX005072.D

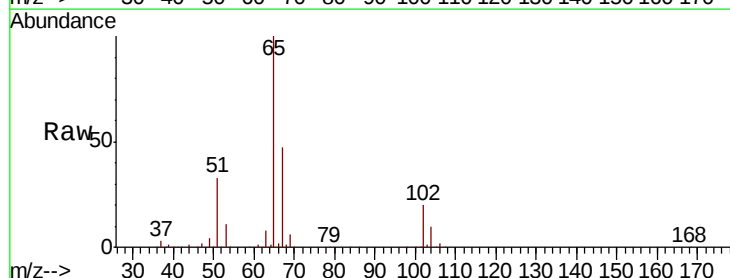
Acq: 05 Oct 2018 17:58

Tgt Ion: 65 Resp: 156175

Ion Ratio Lower Upper

65 100

67 53.4 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

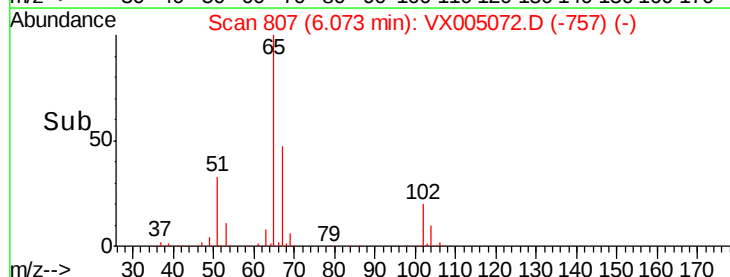
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20

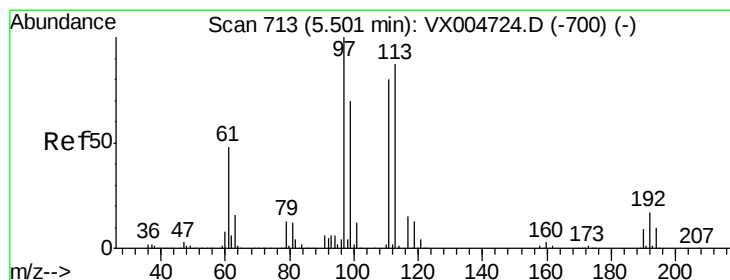
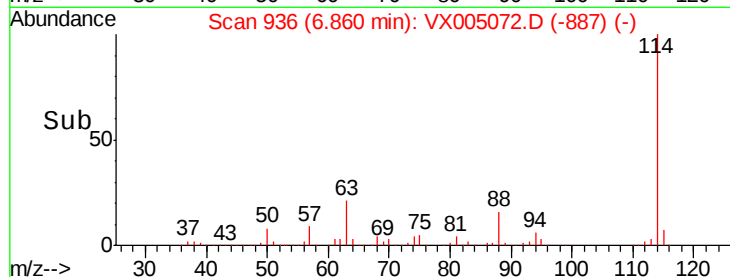
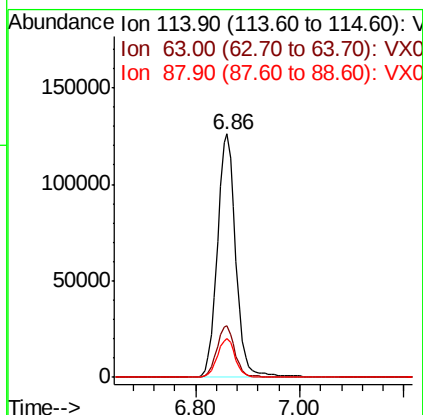
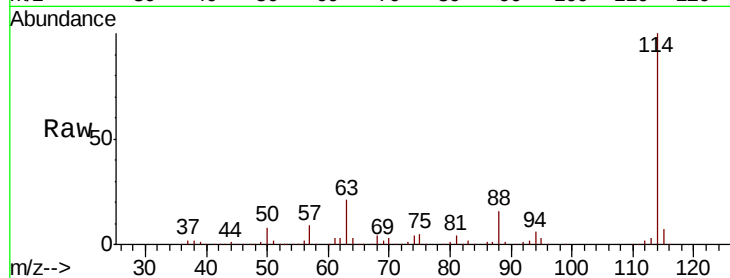




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX005072.D  
 Acq: 05 Oct 2018 17:58

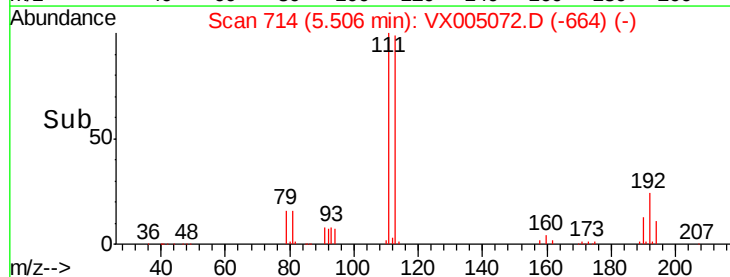
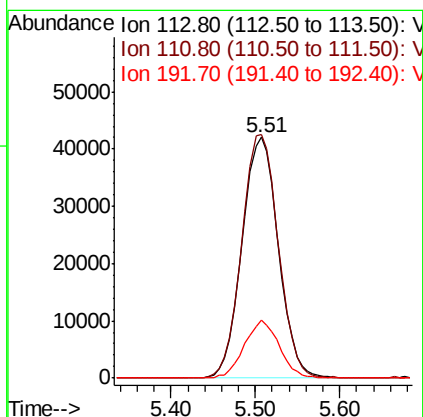
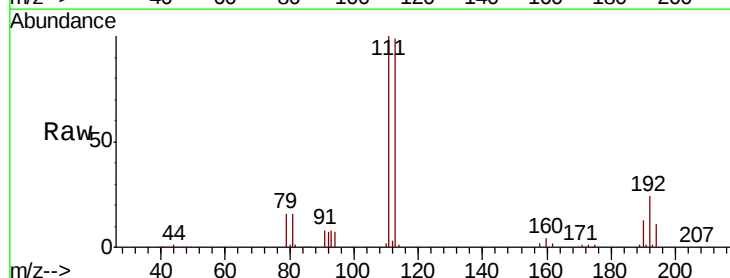
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 HR-06-100218-AME

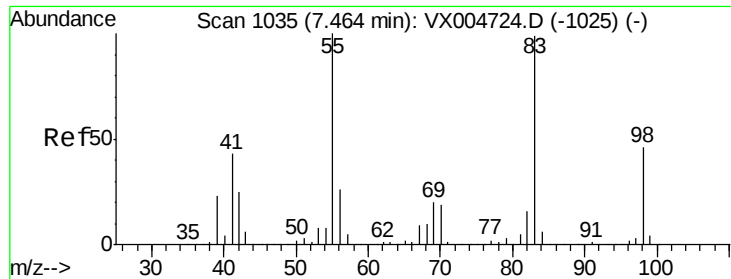
Tot Ion:114 Resp: 312909  
 Ion Ratio Lower Upper  
 114 100  
 63 21.0 0.0 39.8  
 88 15.8 0.0 27.0



#35  
 Dibromofluoromethane  
 Concen: 46.258 ug/l  
 RT: 5.51 min Scan# 714  
 Delta R.T. 0.01 min  
 Lab File: VX005072.D  
 Acq: 05 Oct 2018 17:58

Tgt Ion:113 Resp: 122673  
 Ion Ratio Lower Upper  
 113 100  
 111 101.8 77.0 115.4  
 192 22.9 17.0 25.6

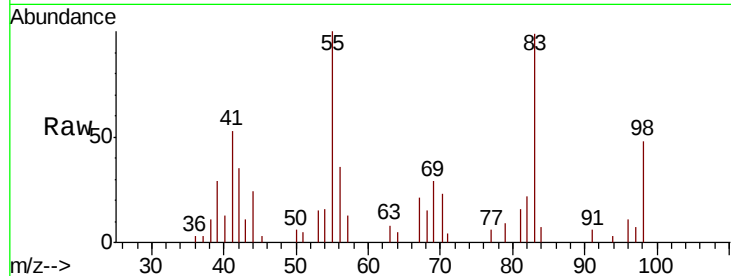




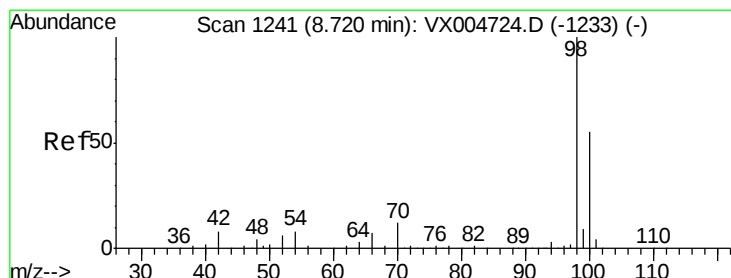
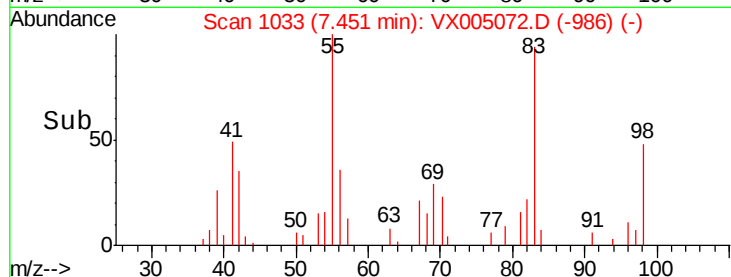
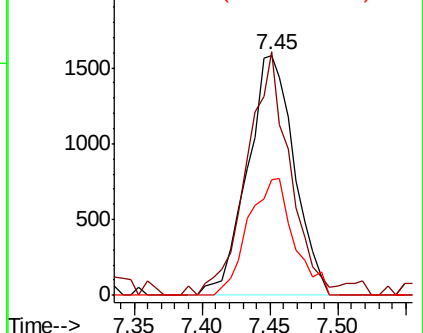
#39  
Methvlcvclohexane  
Concen: 1.030 ug/l  
RT: 7.45 min Scan# 1033  
Delta R.T. -0.01 min  
Lab File: VX005072.D  
Acq: 05 Oct 2018 17:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
HR-06-100218-AME

Tot Ion: 83 Resp: 3807  
Ion Ratio Lower Upper  
83 100  
55 97.9 81.1 121.7  
98 48.4 37.3 55.9

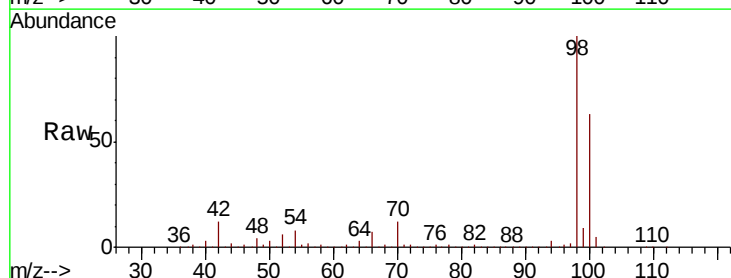


Abundance Ion 83.00 (82.70 to 83.70): VX0  
Ion 55.00 (54.70 to 55.70): VX0  
Ion 98.00 (97.70 to 98.70): VX0

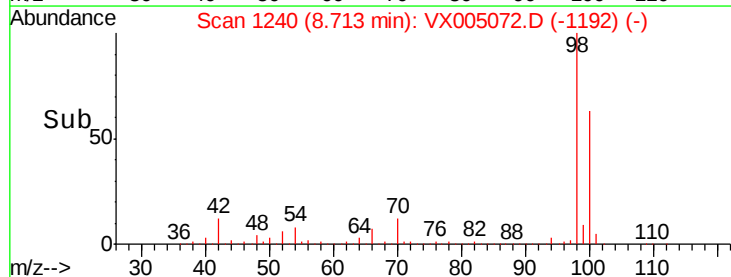
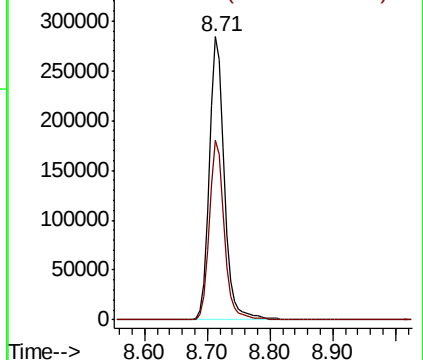


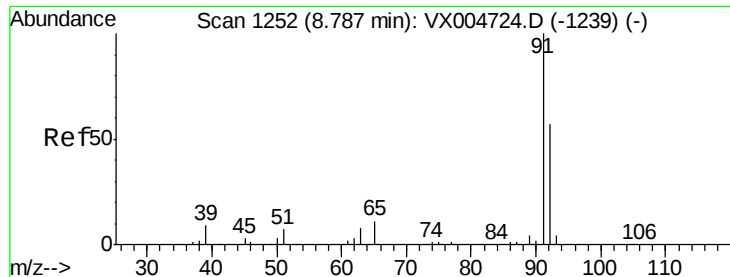
#50  
Toluene-d8  
Concen: 53.258 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. -0.01 min  
Lab File: VX005072.D  
Acq: 05 Oct 2018 17:58

Tgt Ion: 98 Resp: 469543  
Ion Ratio Lower Upper  
98 100  
100 63.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0  
Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 1.966 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005072.D

Acq: 05 Oct 2018 17:58

Instrument :

MSVOA\_X

ClientSampleId :

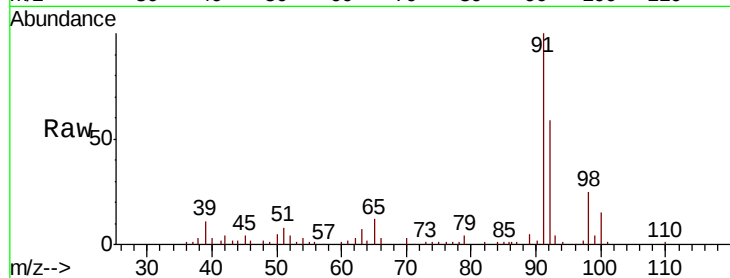
HR-06-100218-AME

Tot Ion: 92 Resp: 12234

Ion Ratio Lower Upper

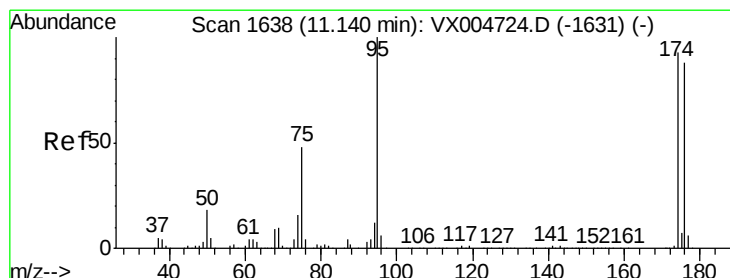
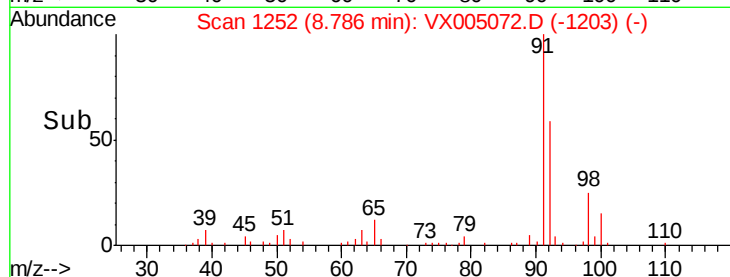
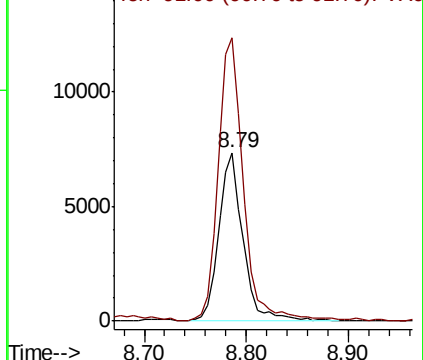
92 100

91 175.4 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 60.939 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005072.D

Acq: 05 Oct 2018 17:58

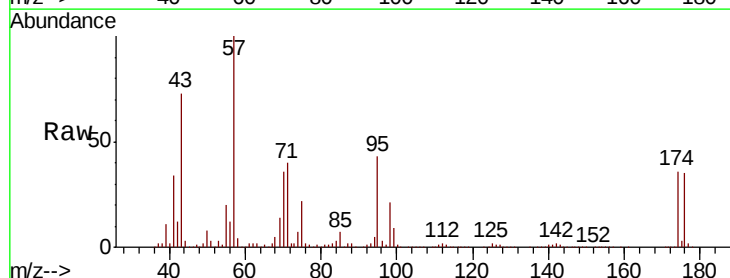
Tgt Ion: 95 Resp: 193552

Ion Ratio Lower Upper

95 100

174 89.0 0.0 185.0

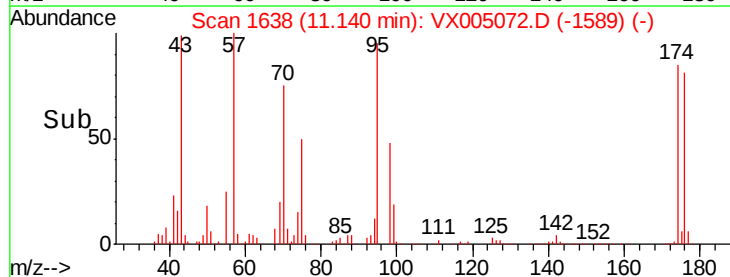
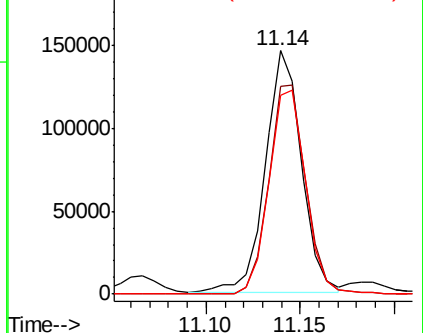
176 86.5 0.0 180.2

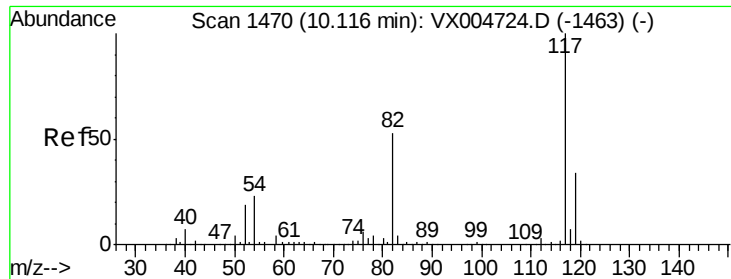


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

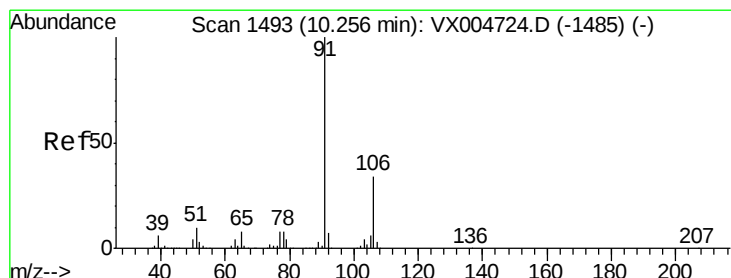
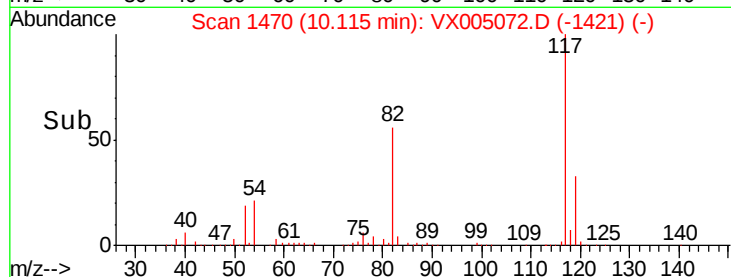
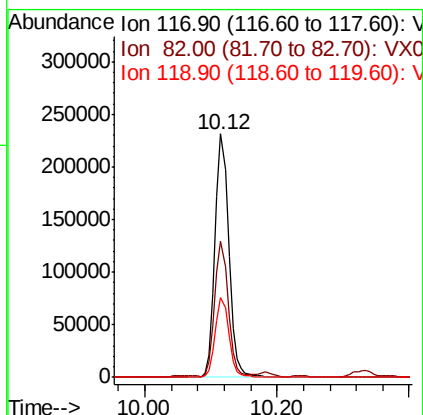
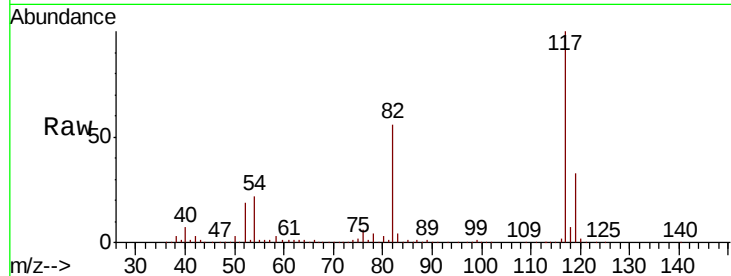




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VX005072.D  
Acq: 05 Oct 2018 17:58

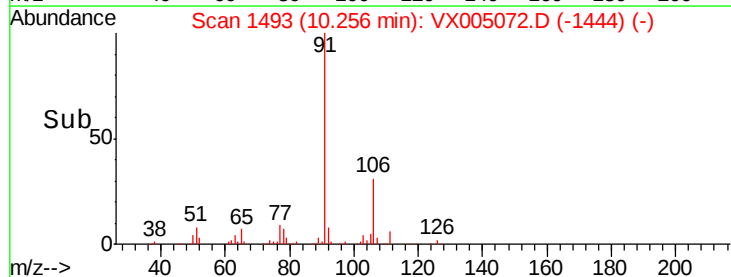
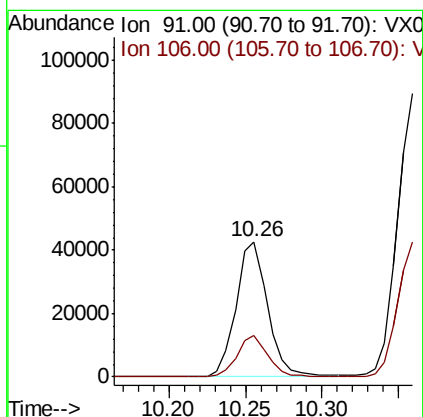
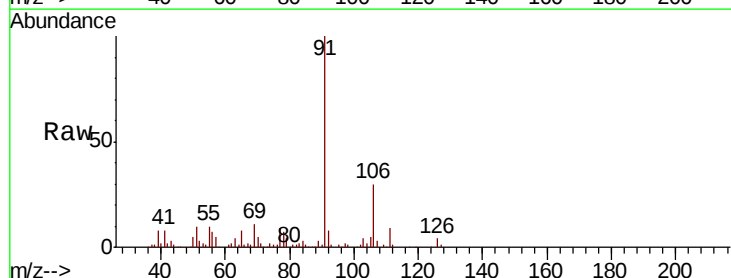
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MSVOA\_X  
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HR-06-100218-AME

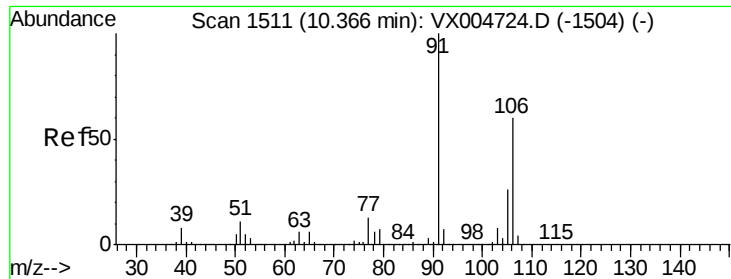
Tot Ion:117 Resp: 333551  
Ion Ratio Lower Upper  
117 100  
82 55.6 42.2 63.4  
119 32.5 27.4 41.0



#67  
Ethyl Benzene  
Concen: 4.477 ug/l  
RT: 10.26 min Scan# 1493  
Delta R.T. -0.00 min  
Lab File: VX005072.D  
Acq: 05 Oct 2018 17:58

Tgt Ion: 91 Resp: 60792  
Ion Ratio Lower Upper  
91 100  
106 30.5 26.9 40.3

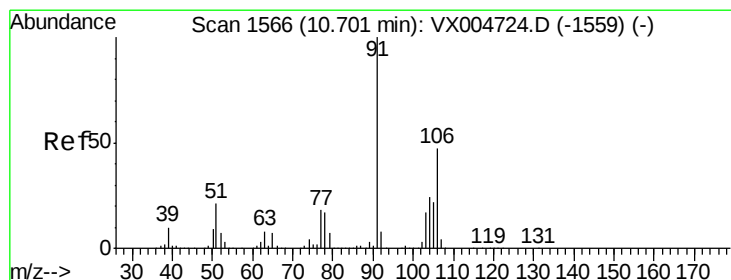
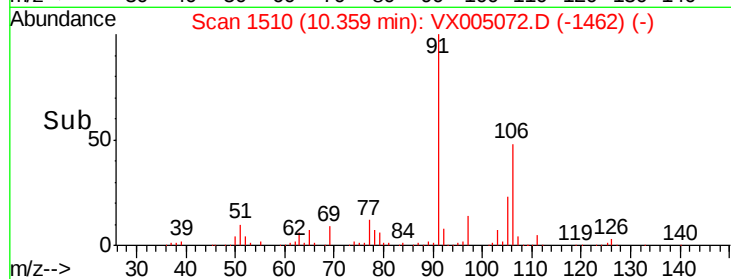
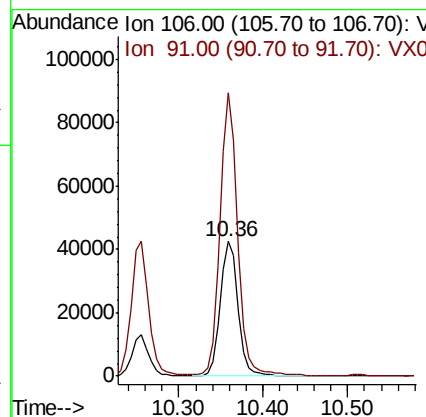
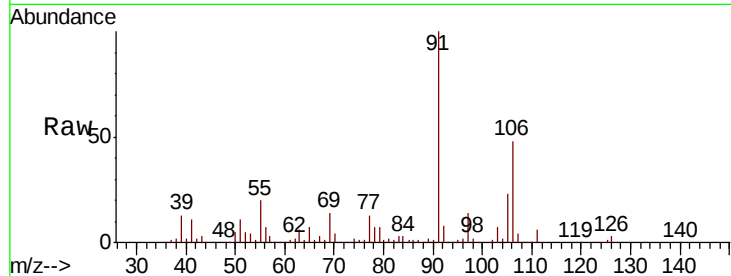




#68  
m/p-Xylenes  
Concen: 11.837 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. -0.01 min  
Lab File: VX005072.D  
Acq: 05 Oct 2018 17:58

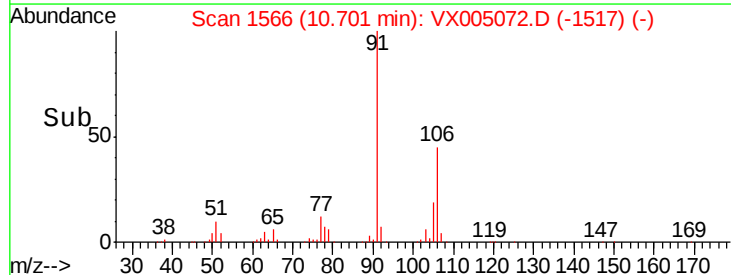
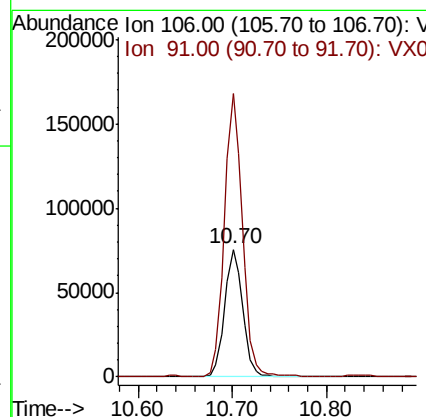
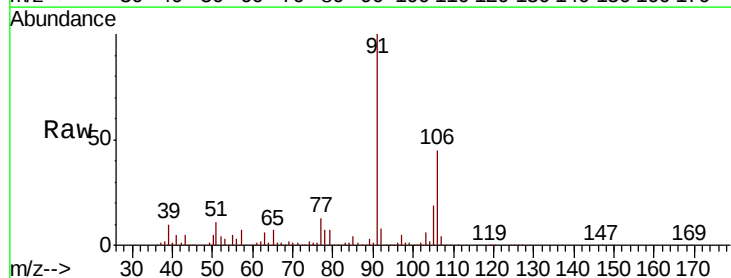
Instrument :  
MSVOA\_X  
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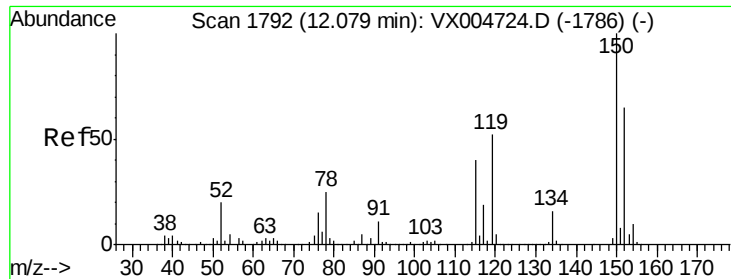
Tot Ion:106 Resp: 62811  
Ion Ratio Lower Upper  
106 100  
91 206.5 157.5 236.3



#69  
o-Xylene  
Concen: 20.794 ug/l  
RT: 10.70 min Scan# 1566  
Delta R.T. -0.00 min  
Lab File: VX005072.D  
Acq: 05 Oct 2018 17:58

Tgt Ion:106 Resp: 101350  
Ion Ratio Lower Upper  
106 100  
91 218.7 108.3 324.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1793

Delta R.T. 0.01 min

Lab File: VX005072.D

Acq: 05 Oct 2018 17:58

Instrument :

MSVOA\_X

ClientSampleId :

HR-06-100218-AME

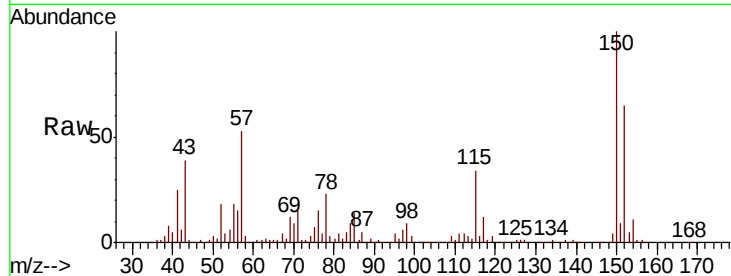
Tot Ion:152 Resp: 198767

Ion Ratio Lower Upper

152 100

115 59.6 40.2 120.6

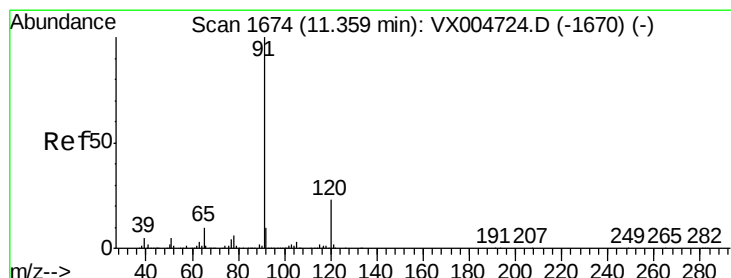
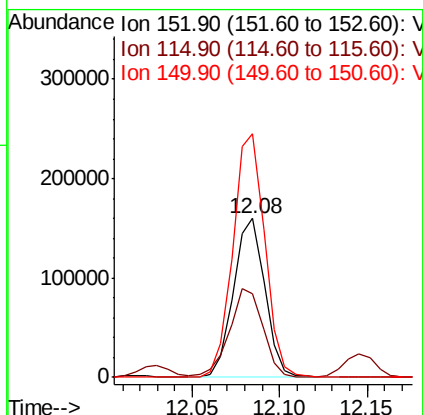
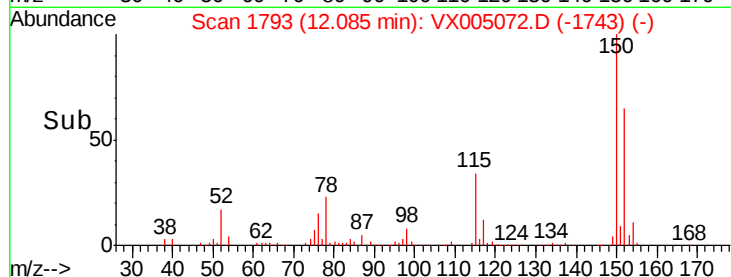
150 156.6 0.0 351.0



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



#78

n-propylbenzene

Concen: 11.141 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005072.D

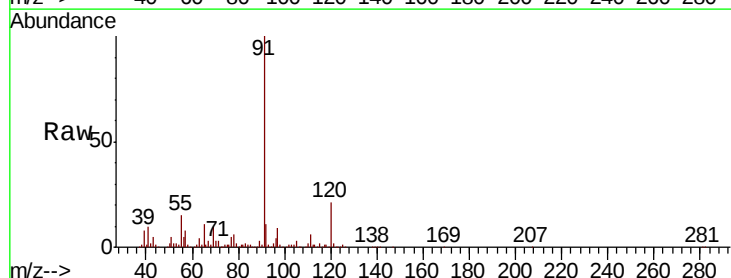
Acq: 05 Oct 2018 17:58

Tgt Ion: 91 Resp: 160150

Ion Ratio Lower Upper

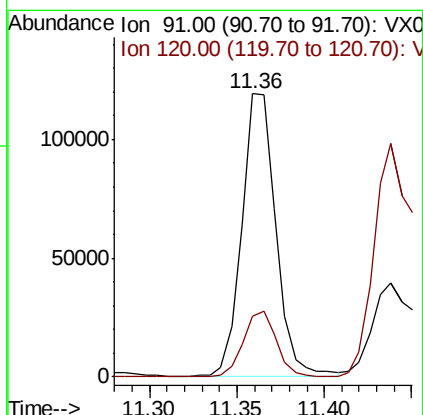
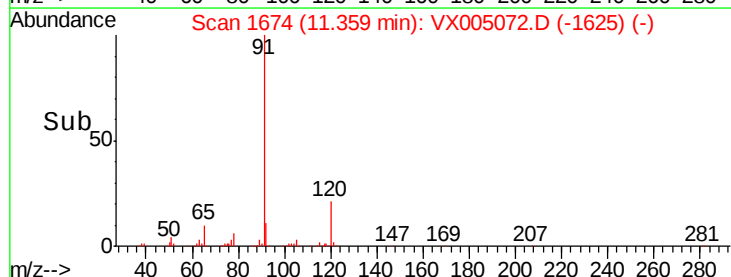
91 100

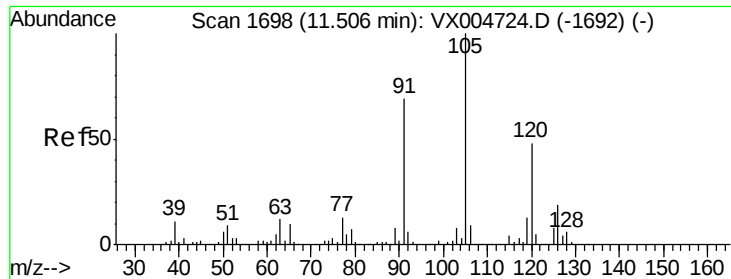
120 22.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

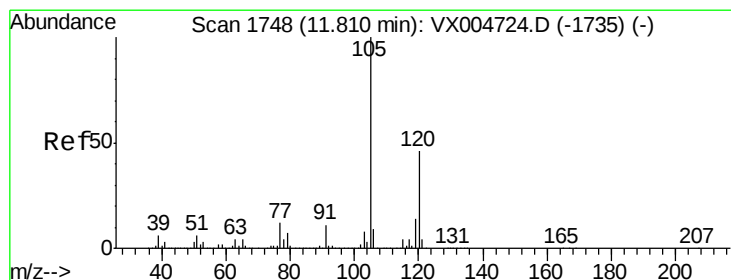
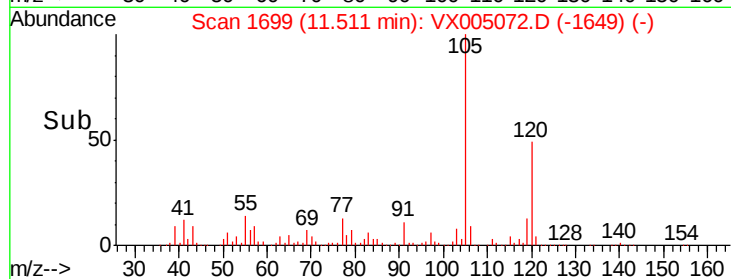
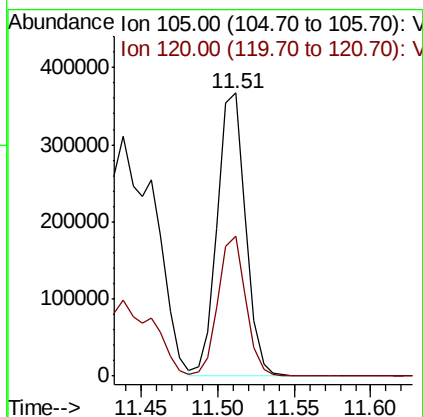
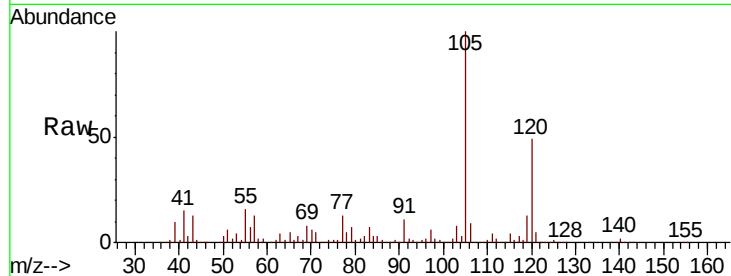




#80  
 1,3,5-Trimethylbenzene  
 Concen: 41.015 ug/l  
 RT: 11.51 min Scan# 1699  
 Delta R.T. 0.01 min  
 Lab File: VX005072.D  
 Acq: 05 Oct 2018 17:58

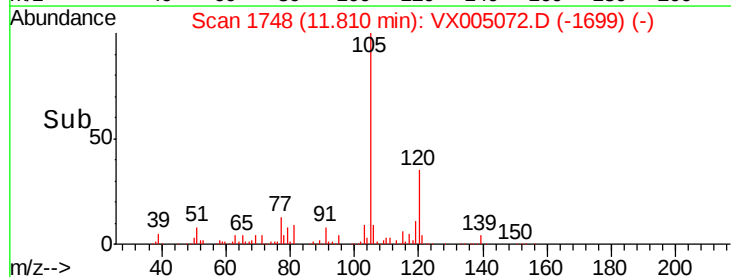
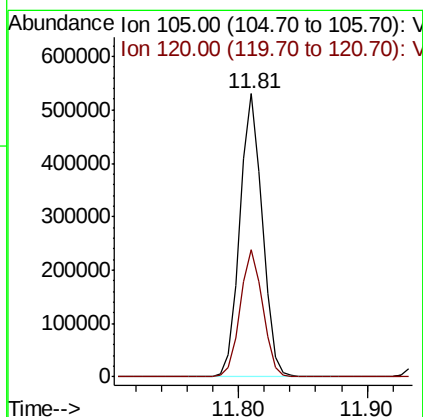
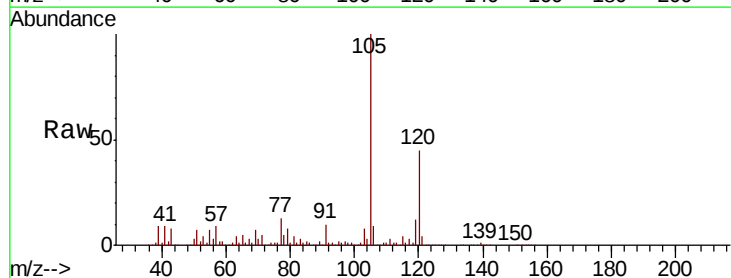
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 HR-06-100218-AME

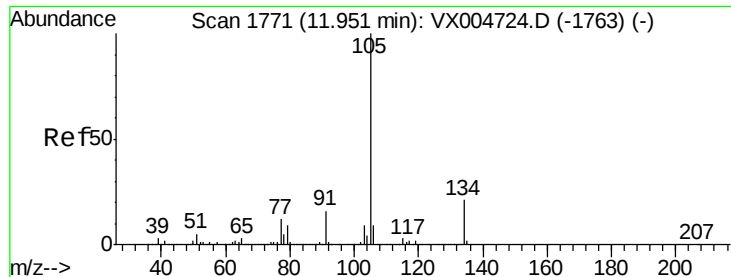
Tot Ion:105 Resp: 471378  
 Ion Ratio Lower Upper  
 105 100  
 120 48.4 24.3 72.8



#84  
 1,2,4-Trimethylbenzene  
 Concen: 54.046 ug/l  
 RT: 11.81 min Scan# 1748  
 Delta R.T. -0.00 min  
 Lab File: VX005072.D  
 Acq: 05 Oct 2018 17:58

Tgt Ion:105 Resp: 639827  
 Ion Ratio Lower Upper  
 105 100  
 120 45.1 22.8 68.3

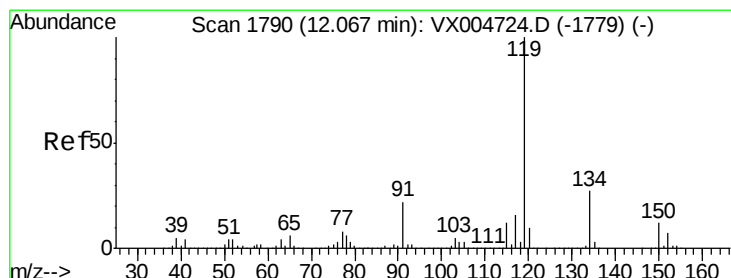
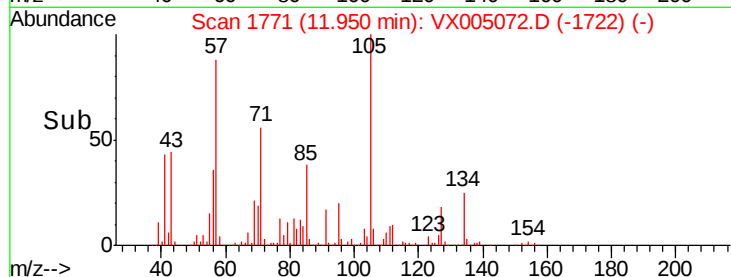
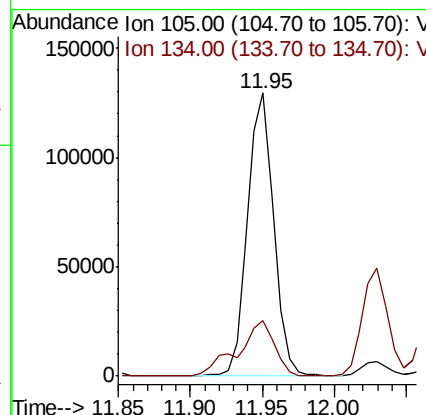
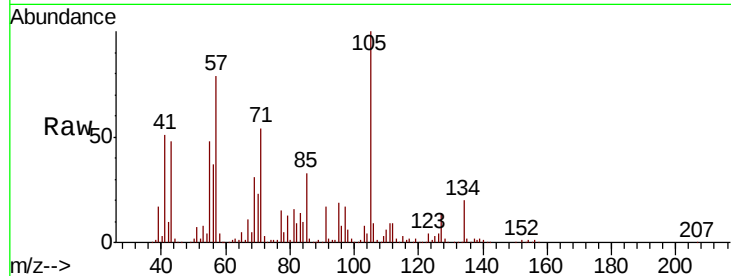




#85  
 sec-Butylbenzene  
 Concen: 12.885 ug/l  
 RT: 11.95 min Scan# 1771  
 Delta R.T. -0.00 min  
 Lab File: VX005072.D  
 Acq: 05 Oct 2018 17:58

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 HR-06-100218-AME

Tot Ion:105 Resp: 161892  
 Ion Ratio Lower Upper  
 105 100  
 134 27.5 10.2 30.4



#86  
 p-Isopropyltoluene  
 Concen: 10.611 ug/l  
 RT: 12.07 min Scan# 1790  
 Delta R.T. -0.00 min  
 Lab File: VX005072.D  
 Acq: 05 Oct 2018 17:58

Tgt Ion:119 Resp: 120785  
 Ion Ratio Lower Upper  
 119 100  
 134 26.8 13.4 40.1  
 91 23.0 11.5 34.4

