

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112019\  
 Data File : VX013486.D  
 Acq On : 20 Nov 2019 18:41  
 Operator : JC/SP  
 Sample : K5957-15  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TRIP-BLANK

Quant Time: Nov 21 07:24:31 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X103119W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 02 07:06:38 2019  
 Response via : Initial Calibration

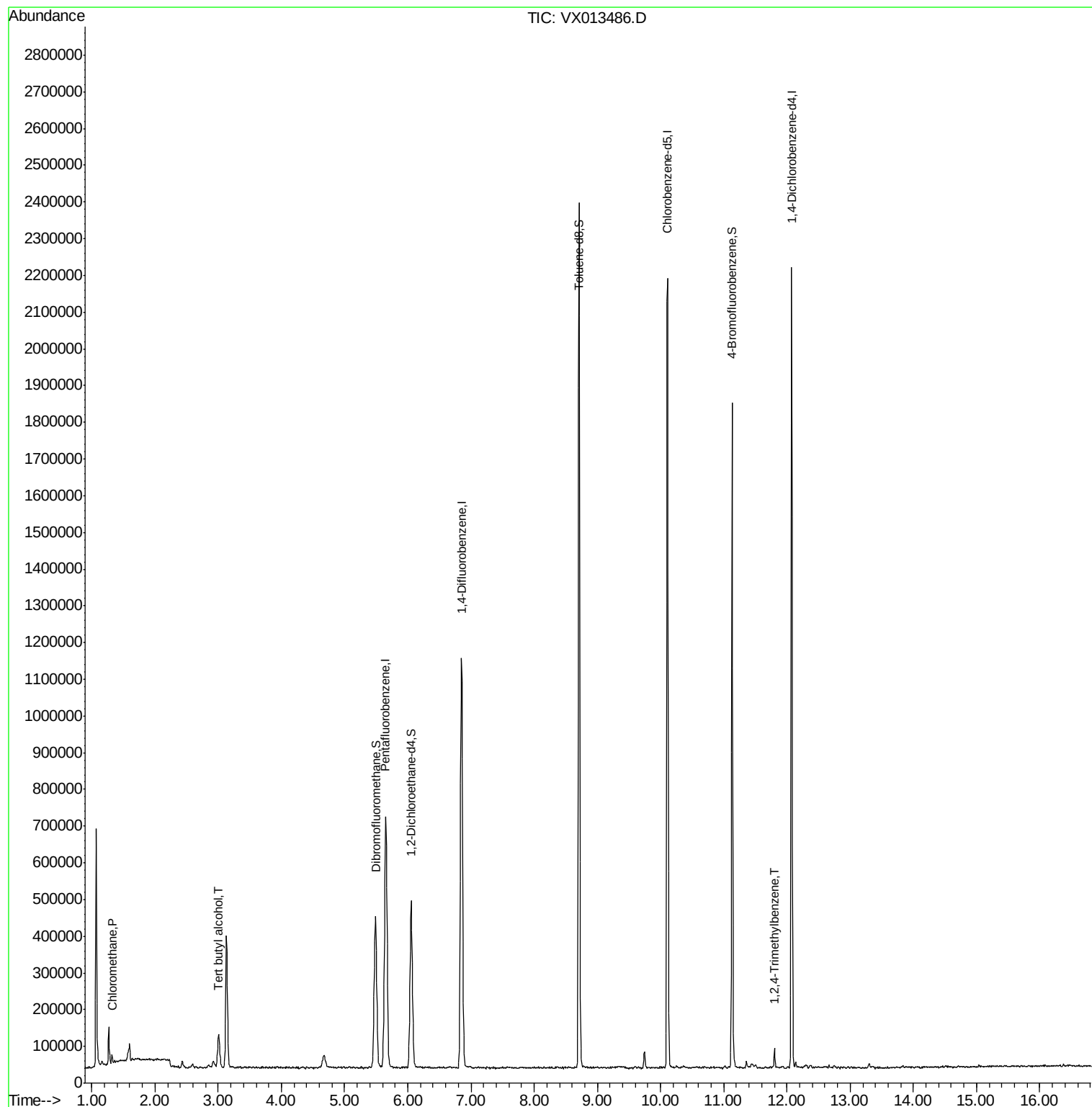
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 719987   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 1164526  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 1031910  | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 456634   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 418751   | 49.09  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.18%  |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 352104   | 48.21  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.42%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 1381767  | 50.18  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.36% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 454571   | 45.74  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 91.48%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 3) Chloromethane            | 1.32  | 50   | 13484    | 1.499  | ug/l    | 99       |
| 11) Tert butyl alcohol      | 3.00  | 59   | 58585    | 26.059 | ug/l #  | 78       |
| 84) 1,2,4-Trimethylbenzene  | 11.80 | 105  | 25992    | 1.027  | ug/l    | 94       |

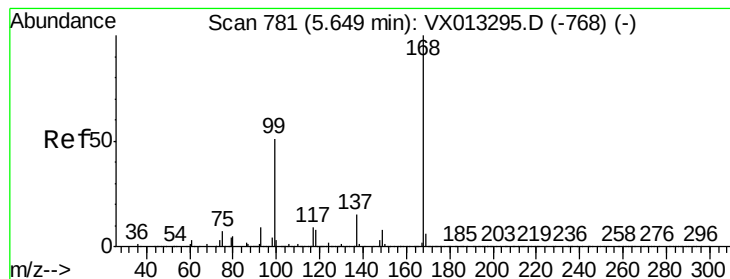
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X103119W.M  
Quant Title : SW846 8260  
QLast Update : Sat Nov 02 07:06:38 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013486.D

Acq: 20 Nov 2019 18:41

Instrument :

MSVOA\_X

ClientSampleId :

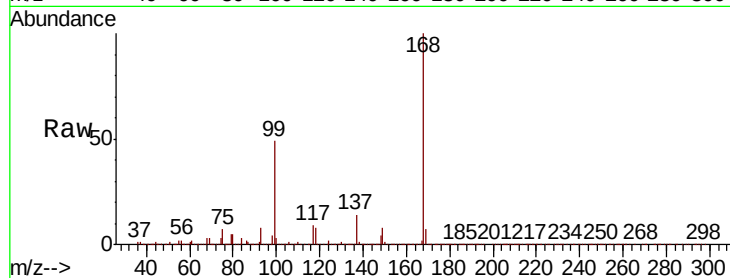
TRIP-BLANK

Tot Ion:168 Resp: 719987

Ion Ratio Lower Upper

168 100

99 48.9 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

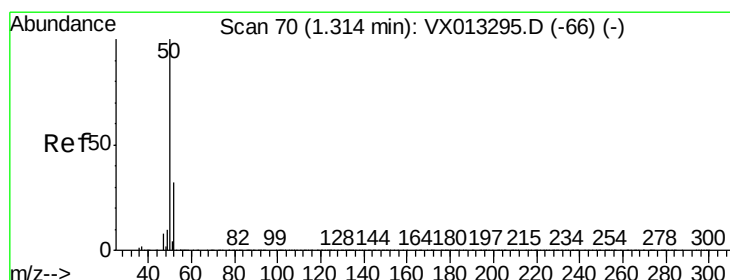
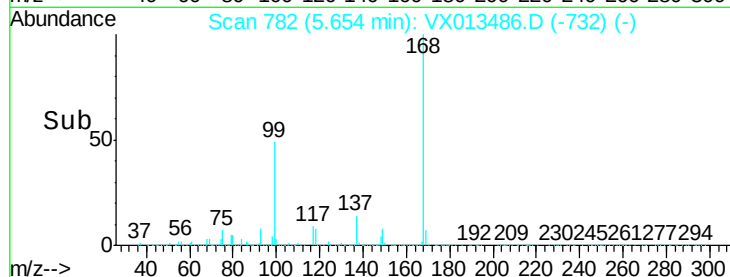
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.499 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013486.D

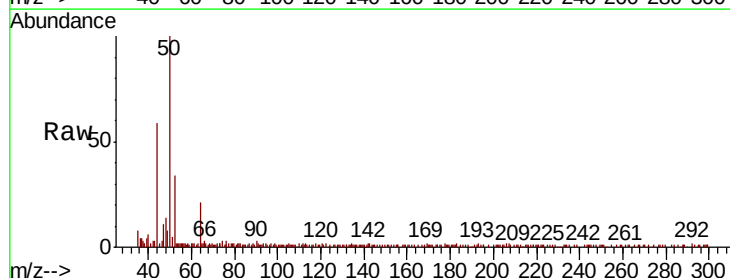
Acq: 20 Nov 2019 18:41

Tgt Ion: 50 Resp: 13484

Ion Ratio Lower Upper

50 100

52 32.7 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

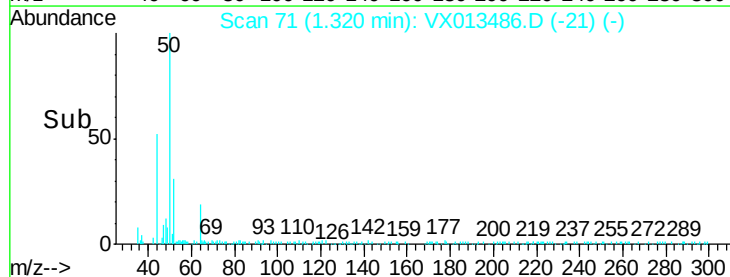
15000

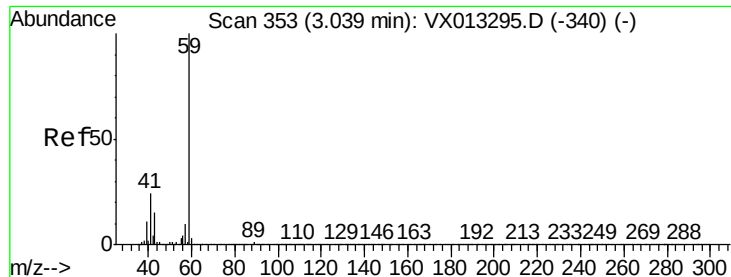
10000

5000

0

Time-->



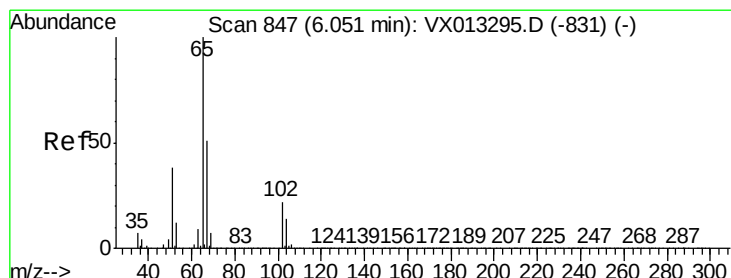
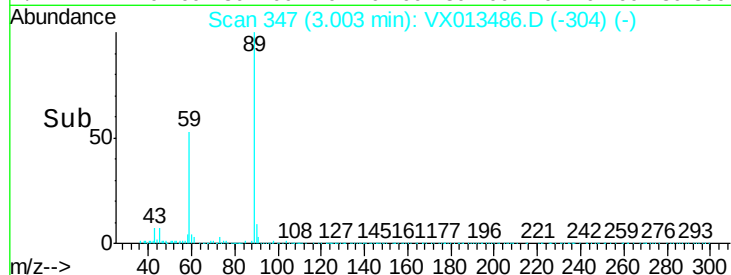
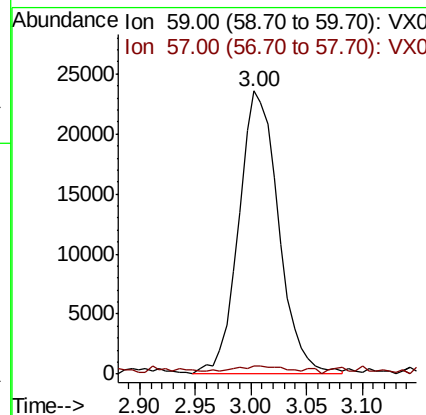
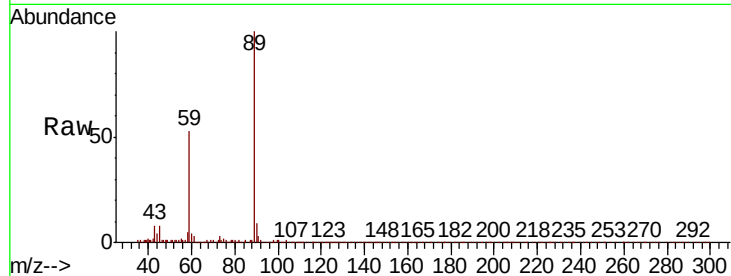


#11

Tert butyl alcohol  
Concen: 26.059 ug/l  
RT: 3.00 min Scan# 347  
Delta R.T. -0.04 min  
Lab File: VX013486.D  
Acq: 20 Nov 2019 18:41

Instrument :  
MSVOA\_X  
ClientSampled :  
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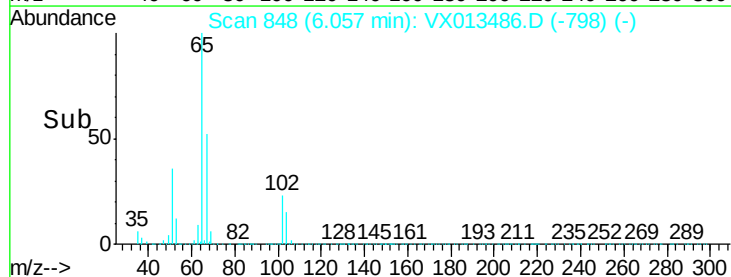
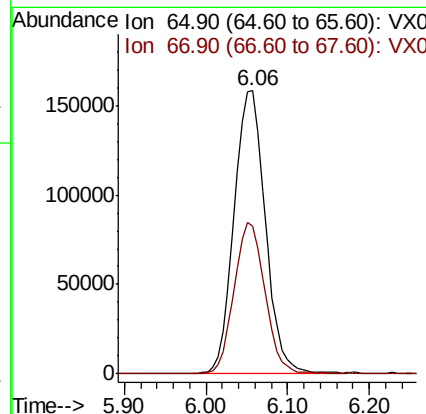
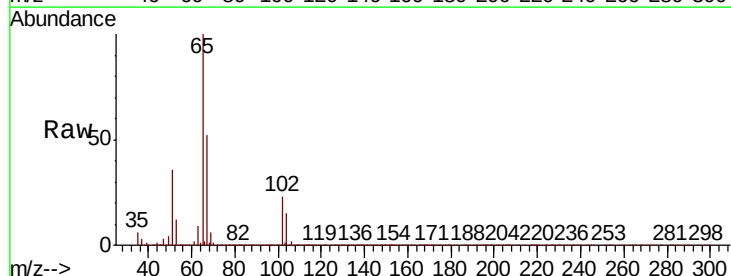
Tot Ion: 59 Resp: 58585  
Ion Ratio Lower Upper  
59 100  
57 1.9 8.0 12.0#

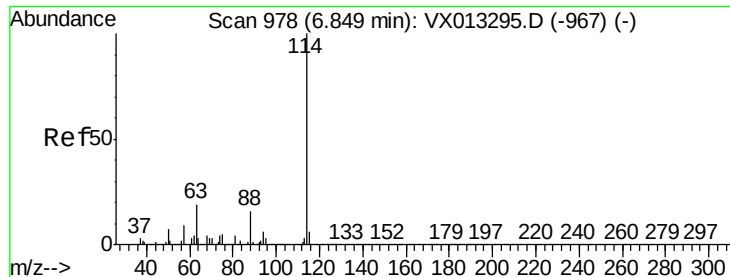


#33

1,2-Dichloroethane-d4  
Concen: 49.093 ug/l  
RT: 6.06 min Scan# 848  
Delta R.T. 0.01 min  
Lab File: VX013486.D  
Acq: 20 Nov 2019 18:41

Tgt Ion: 65 Resp: 418751  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 104.2

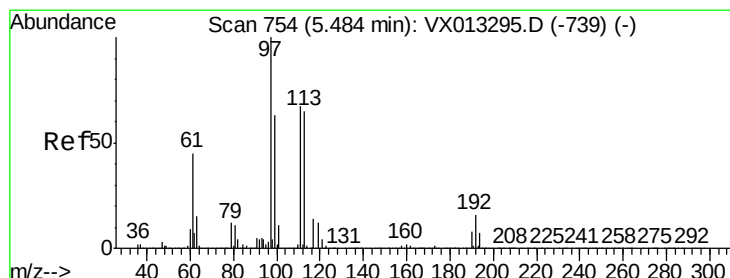
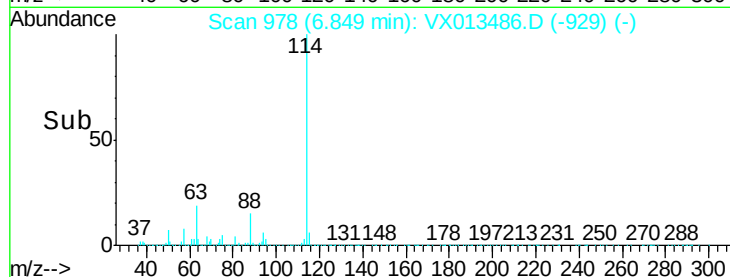
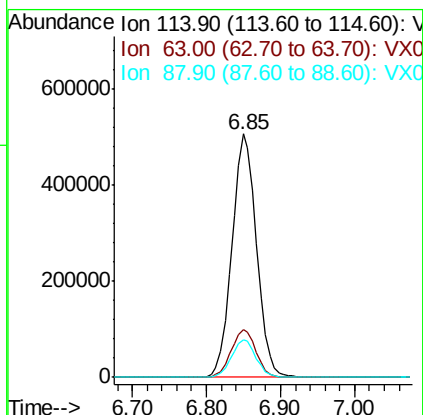
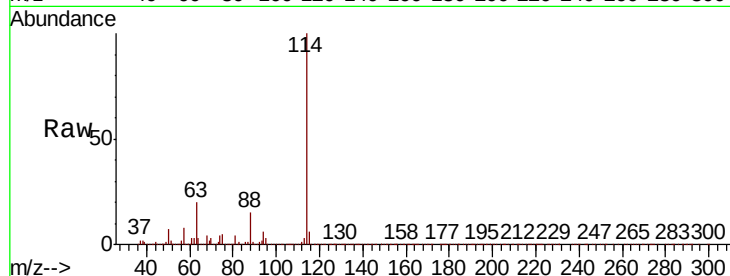




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.85 min Scan# 978  
Delta R.T. -0.00 min  
Lab File: VX013486.D  
Acq: 20 Nov 2019 18:41

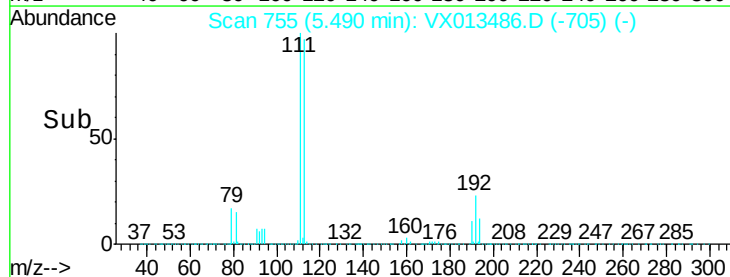
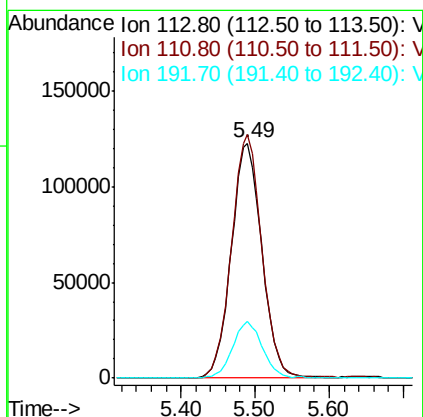
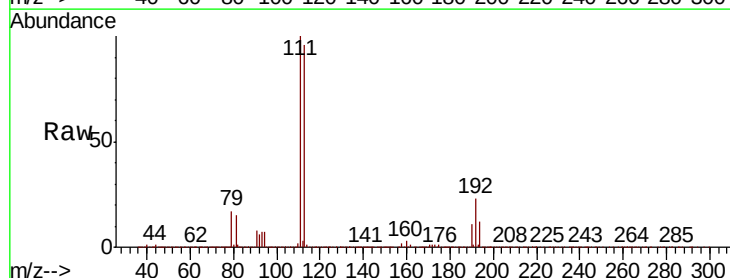
Instrument :  
MSVOA\_X  
ClientSampleId :  
TRIP-BLANK

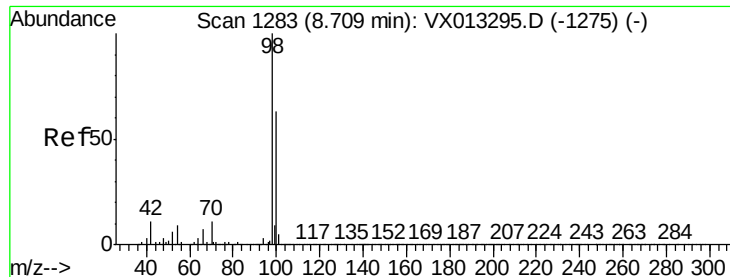
Tot Ion:114 Resp: 1164526  
Ion Ratio Lower Upper  
114 100  
63 19.5 0.0 38.4  
88 15.2 0.0 32.2



#35  
Dibromofluoromethane  
Concen: 48.207 ug/l  
RT: 5.49 min Scan# 755  
Delta R.T. 0.01 min  
Lab File: VX013486.D  
Acq: 20 Nov 2019 18:41

Tgt Ion:113 Resp: 352104  
Ion Ratio Lower Upper  
113 100  
111 102.6 81.9 122.9  
192 23.6 19.1 28.7





#50

Toluene-d8

Concen: 50.181 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013486.D

Acq: 20 Nov 2019 18:41

Instrument :

MSVOA\_X

ClientSampleId :

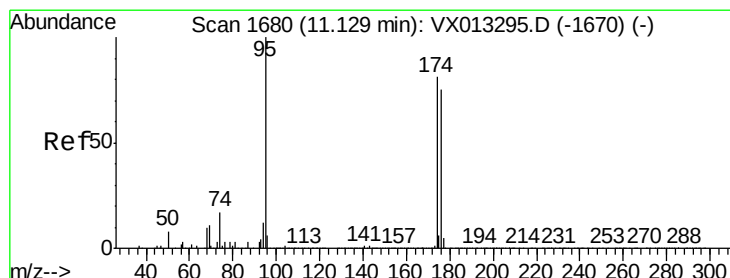
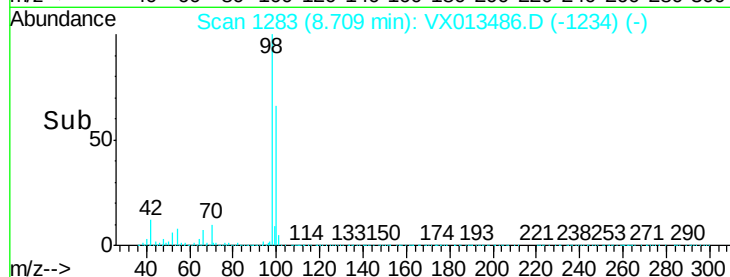
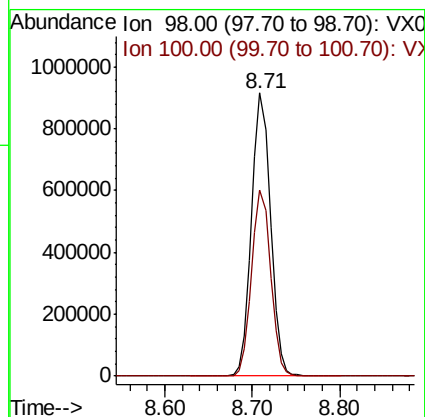
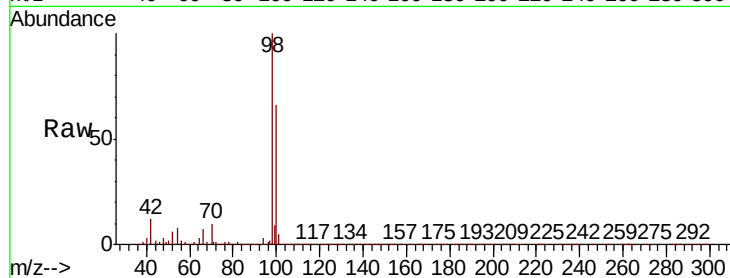
TRIP-BLANK

Tot Ion: 98 Resp: 1381767

Ion Ratio Lower Upper

98 100

100 65.9 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 45.742 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013486.D

Acq: 20 Nov 2019 18:41

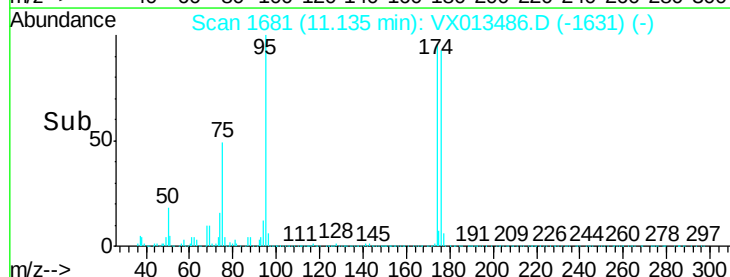
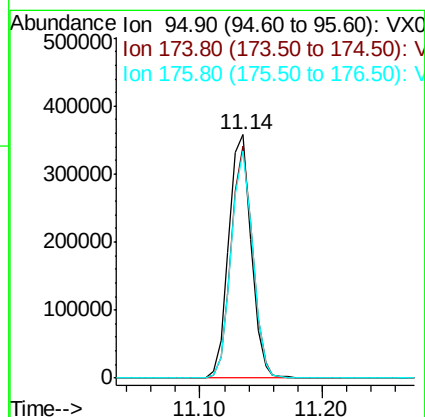
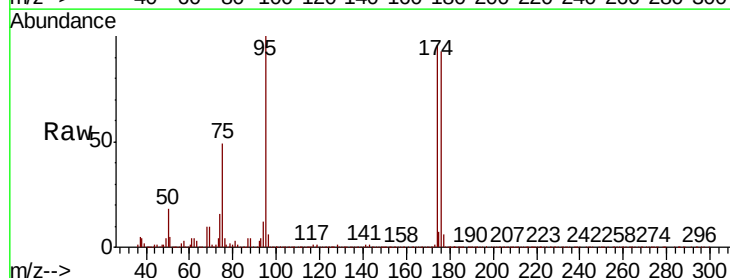
Tgt Ion: 95 Resp: 454571

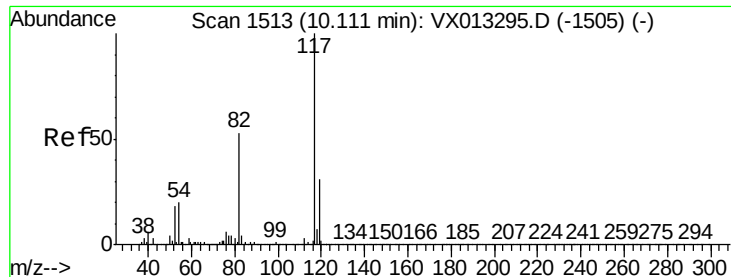
Ion Ratio Lower Upper

95 100

174 90.8 0.0 179.8

176 89.7 0.0 173.0

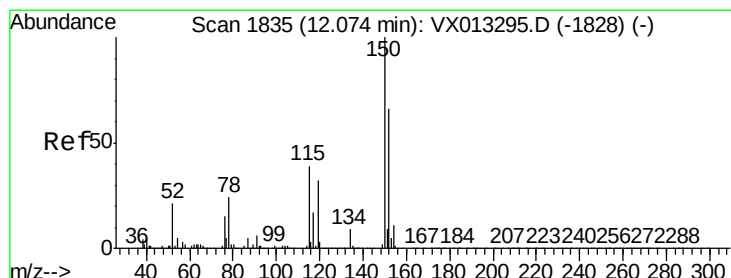
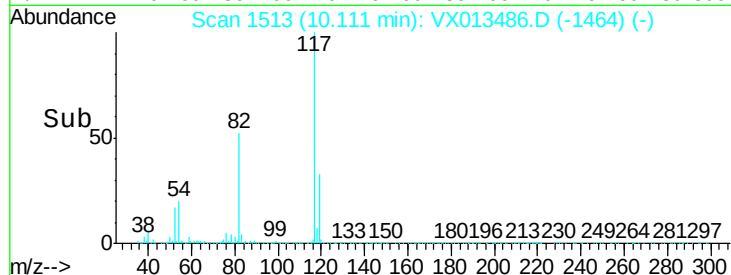
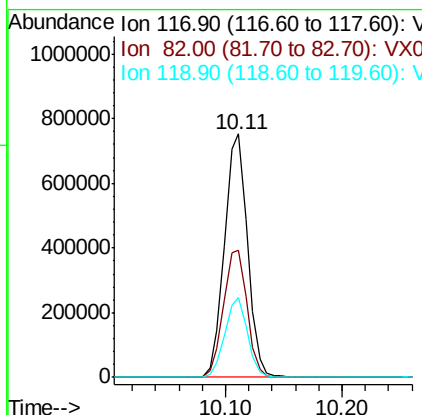
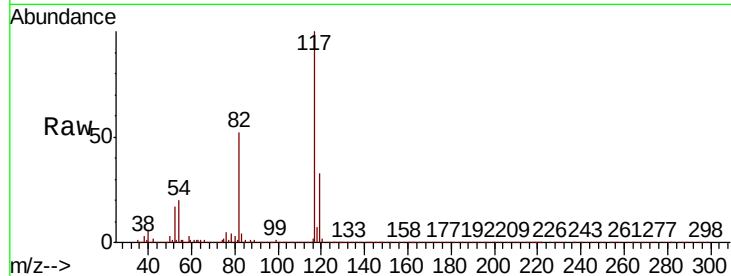




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VX013486.D  
Acq: 20 Nov 2019 18:41

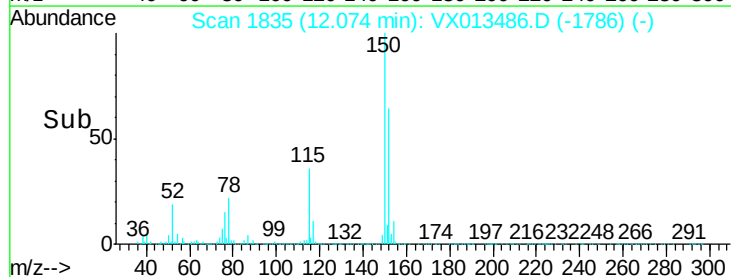
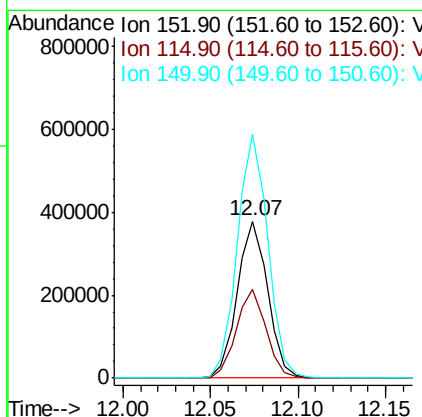
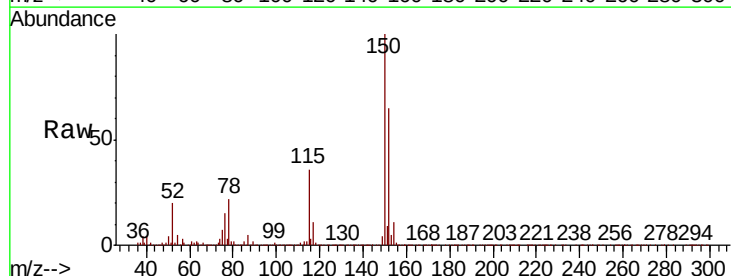
Instrument :  
MSVOA\_X  
ClientSampleId :  
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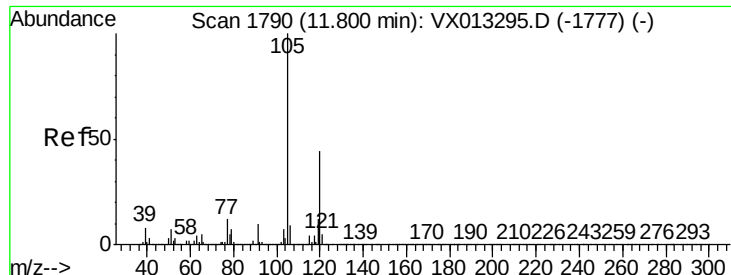
Tot Ion:117 Resp: 1031910  
Ion Ratio Lower Upper  
117 100  
82 52.2 42.6 64.0  
119 32.6 24.8 37.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. -0.00 min  
Lab File: VX013486.D  
Acq: 20 Nov 2019 18:41

Tgt Ion:152 Resp: 456634  
Ion Ratio Lower Upper  
152 100  
115 55.6 39.5 118.3  
150 156.6 0.0 344.4





#84

1,2,4-Trimethylbenzene

Concen: 1.027 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX013486.D

Acq: 20 Nov 2019 18:41

Instrument :

MSVOA\_X

ClientSampleId :

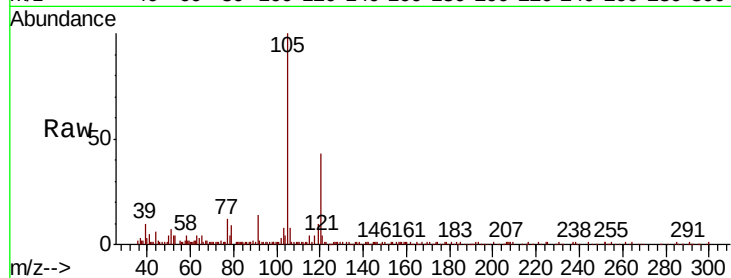
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Tot Ion:105 Resp: 25992

Ion Ratio Lower Upper

105 100

120 49.1 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

