

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD101821\  
 Data File : VD070743.D  
 Acq On : 18 Oct 2021 21:29  
 Operator : VA/SY  
 Sample : M4248-01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 CHVB-0513

Manual Integrations  
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 10/19/2021 5:23:04 PM

Quant Time: Oct 19 06:43:17 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101521S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Oct 18 08:32:03 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.979  | 168   | 311642   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.861  | 114   | 644420   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.638 | 117   | 512149   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.561 | 152   | 75097    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.326  | 65    | 258675   | 70.079   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 140.160% |          |
| 35) Dibromofluoromethane    | 7.914  | 113   | 228610   | 55.404   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 110.800% |          |
| 50) Toluene-d8              | 10.332 | 98    | 764044   | 48.304   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 96.600%  |          |
| 62) 4-Bromofluorobenzene    | 12.620 | 95    | 180998   | 33.233   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 66.460%  |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 16) Acetone                 | 4.150  | 43    | 133709   | 150.186  | ug/l #     | 88       |
| 17) Carbon Disulfide        | 4.403  | 76    | 13191    | 1.069    | ug/l #     | 92       |
| 25) 2-Butanone              | 7.214  | 43    | 19399    | 17.638   | ug/l       | 93       |
| 52) Toluene                 | 10.396 | 92    | 370523   | 30.101   | ug/l       | 97       |
| 84) 1,2,4-Trimethylbenzene  | 13.261 | 105   | 20154    | 4.481    | ug/l       | 93       |
| 85) sec-Butylbenzene        | 13.390 | 105   | 23450    | 3.992    | ug/l       | 95       |
| 86) p-Isopropyltoluene      | 13.502 | 119   | 110440   | 23.383   | ug/l #     | 84       |
| -----                       |        |       |          |          |            |          |

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

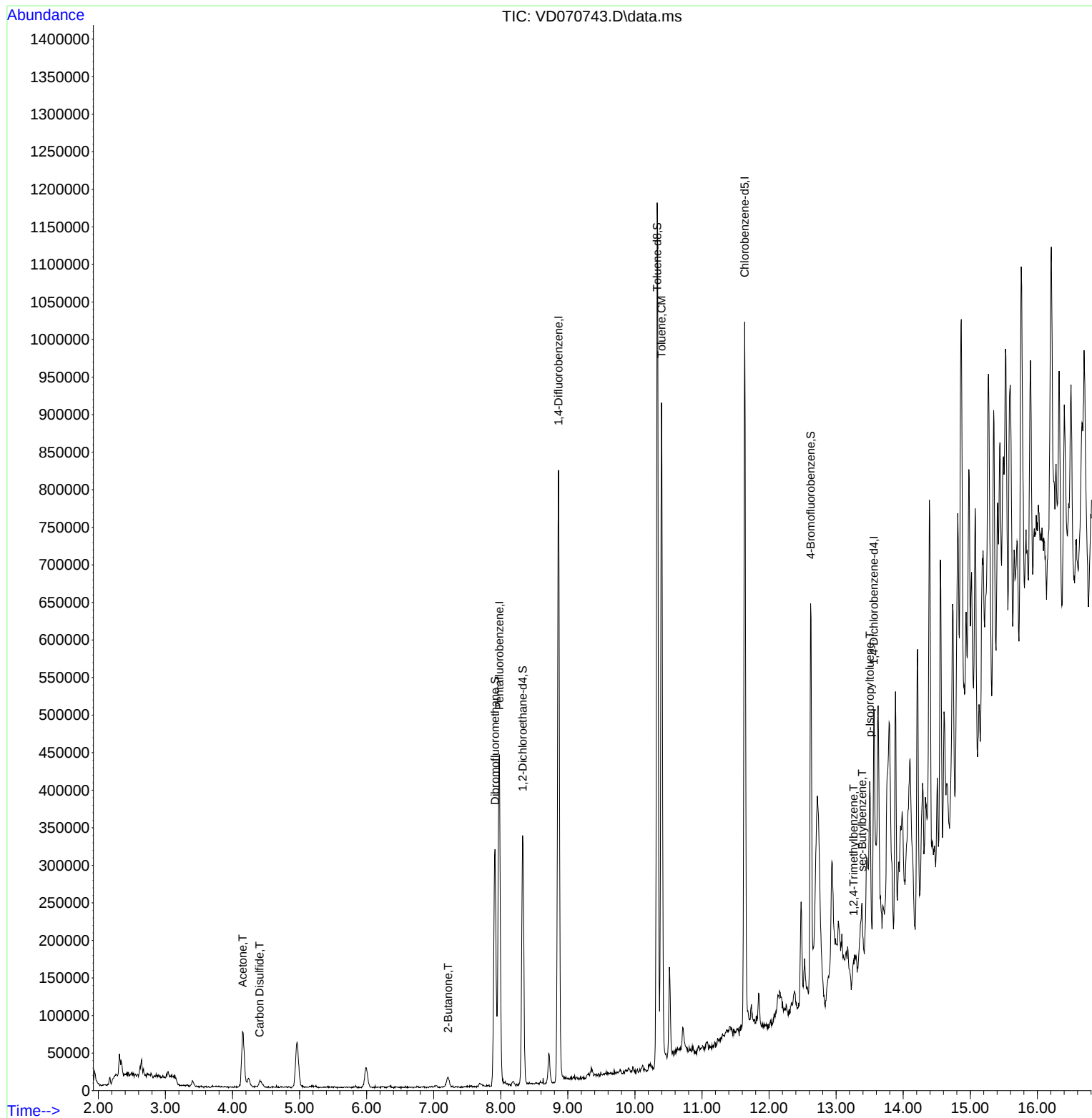
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD101821\  
Data File : VD070743.D  
Acq On : 18 Oct 2021 21:29  
Operator : VA/SY  
Sample : M4248-01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 21 Sample Multiplier: 1

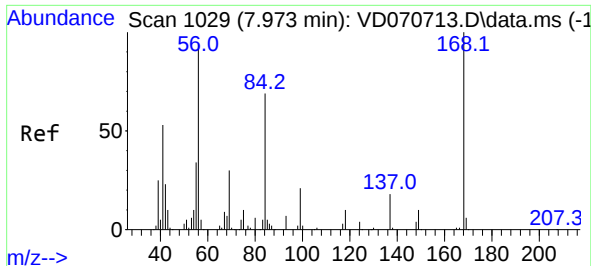
Instrument :  
MSVOA\_D  
ClientSampleId :  
CHVB-0513

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Quant Time: Oct 19 06:43:17 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101521S.M  
Quant Title : SW846 8260  
QLast Update : Mon Oct 18 08:32:03 2021  
Response via : Initial Calibration





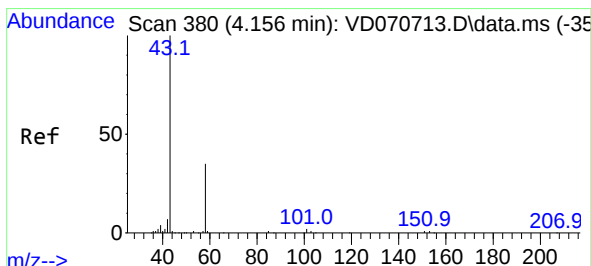
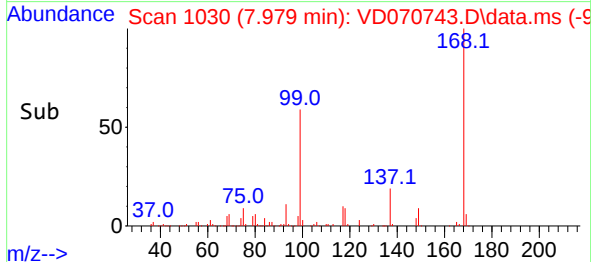
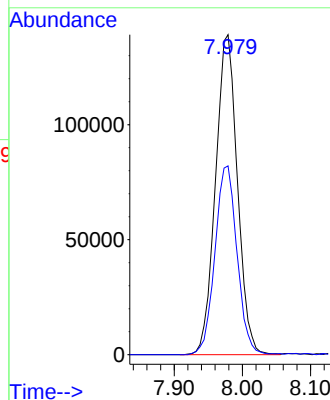
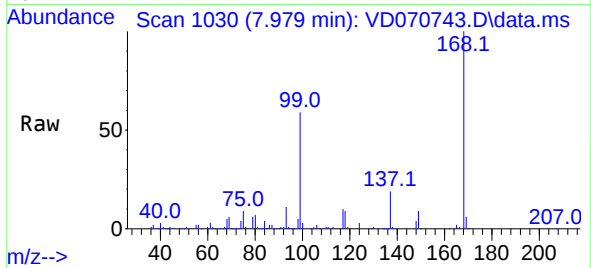
#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.006 min  
Lab File: VD070743.D  
Acq: 18 Oct 2021 21:29

Tgt Ion:168 Resp: 311642  
Ion Ratio Lower Upper  
168 100  
99 59.0 51.4 77.0

Instrument :  
MSVOA\_D  
ClientSampleId :  
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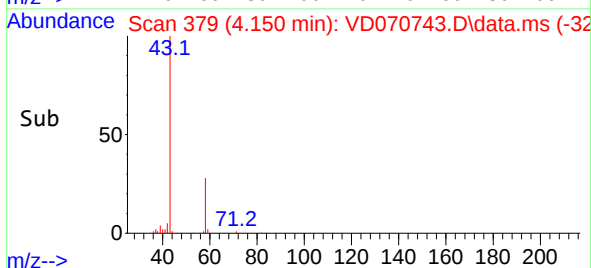
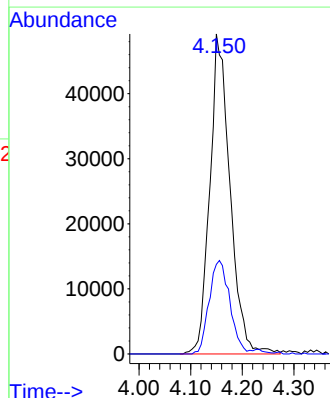
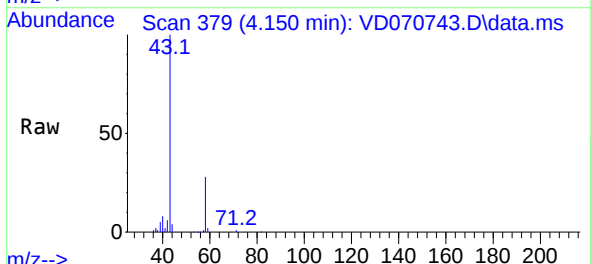
Manual Integrations  
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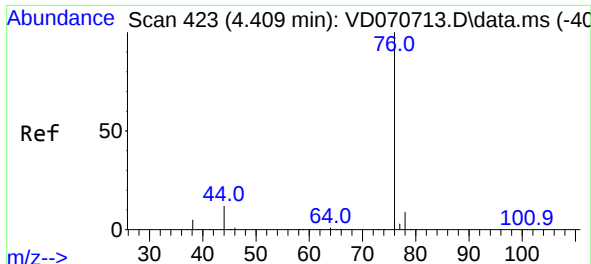
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#16  
Acetone  
Concen: 150.186 ug/l  
RT: 4.150 min Scan# 379  
Delta R.T. -0.006 min  
Lab File: VD070743.D  
Acq: 18 Oct 2021 21:29

Tgt Ion: 43 Resp: 133709  
Ion Ratio Lower Upper  
43 100  
58 28.0 28.2 42.2#





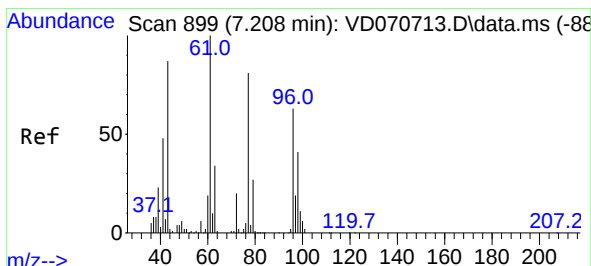
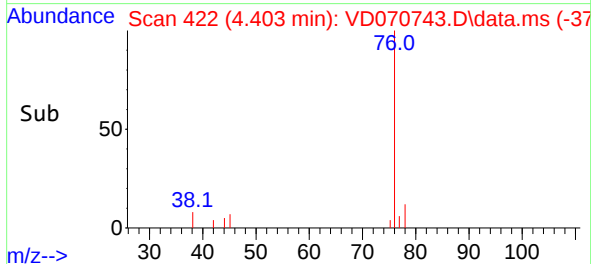
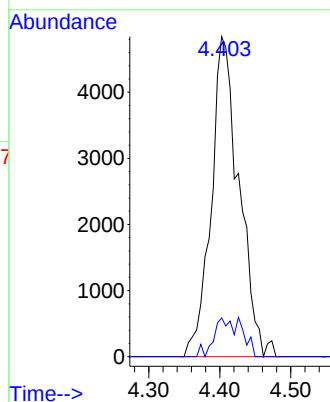
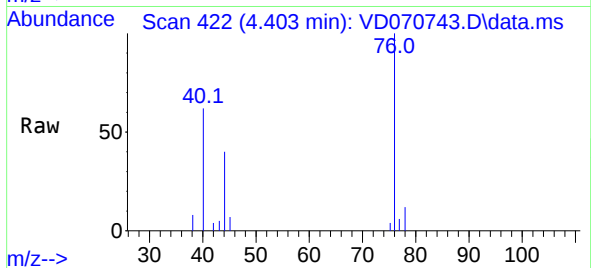
#17  
Carbon Disulfide  
Concen: 1.069 ug/l  
RT: 4.403 min Scan# 422  
Delta R.T. -0.006 min  
Lab File: VD070743.D  
Acq: 18 Oct 2021 21:29

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Tgt Ion: 76 Resp: 13191  
Ion Ratio Lower Upper  
76 100  
78 12.1 7.4 11.2#

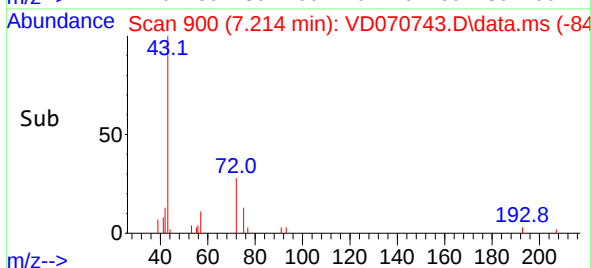
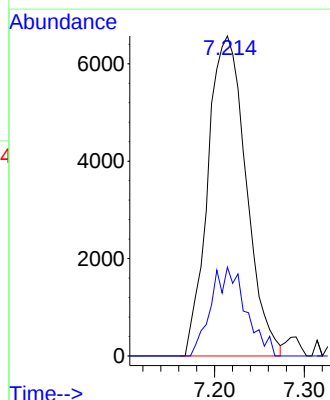
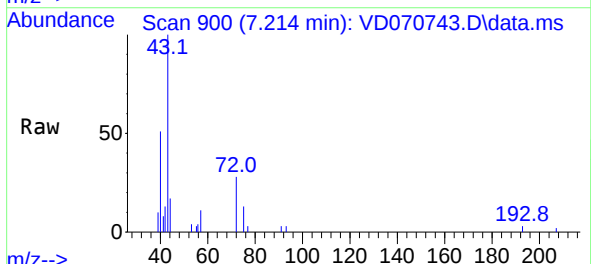
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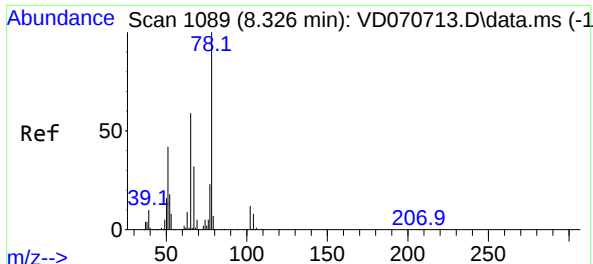
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#25  
2-Butanone  
Concen: 17.638 ug/l  
RT: 7.214 min Scan# 900  
Delta R.T. 0.006 min  
Lab File: VD070743.D  
Acq: 18 Oct 2021 21:29

Tgt Ion: 43 Resp: 19399  
Ion Ratio Lower Upper  
43 100  
72 27.8 25.2 37.8





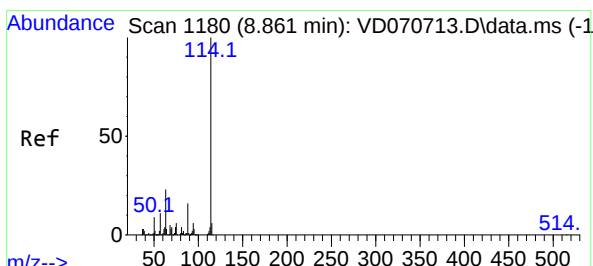
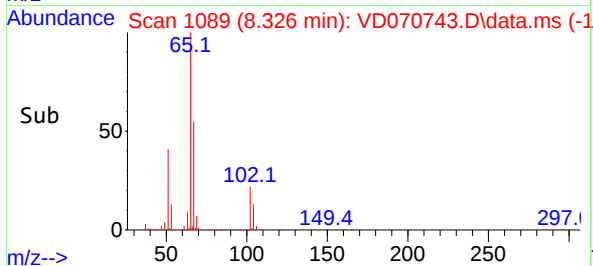
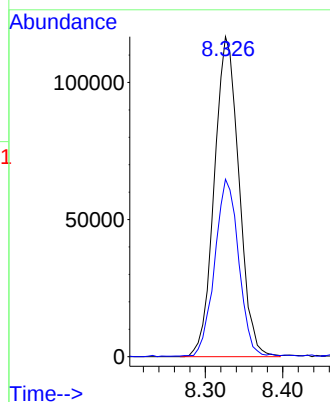
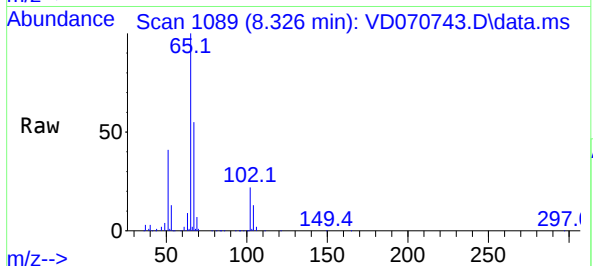
#33  
1,2-Dichloroethane-d4  
Concen: 70.079 ug/l  
RT: 8.326 min Scan# 1089  
Delta R.T. -0.000 min  
Lab File: VD070743.D  
Acq: 18 Oct 2021 21:29

Tgt Ion: 65 Resp: 258675  
Ion Ratio Lower Upper  
65 100  
67 53.7 0.0 110.2

Instrument :  
MSVOA\_D  
ClientSampleId :  
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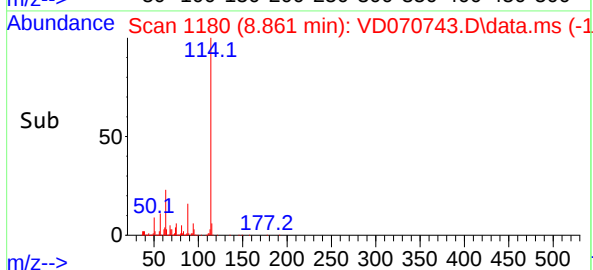
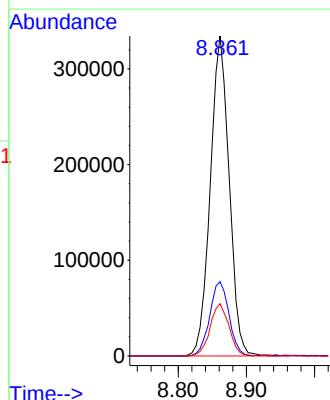
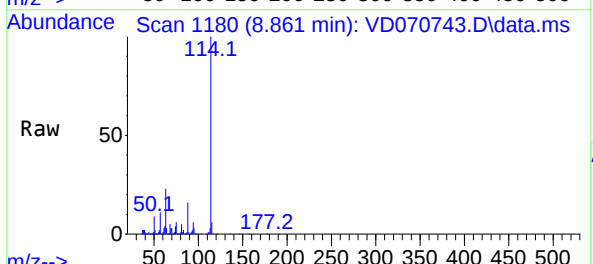
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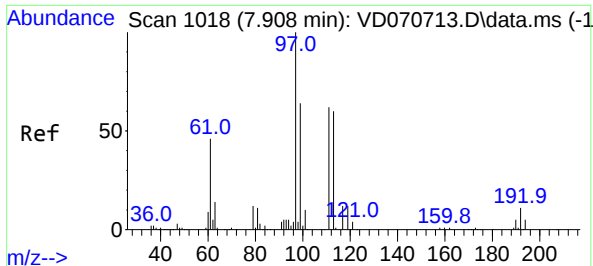
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#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.861 min Scan# 1180  
Delta R.T. -0.000 min  
Lab File: VD070743.D  
Acq: 18 Oct 2021 21:29

Tgt Ion: 114 Resp: 644420  
Ion Ratio Lower Upper  
114 100  
63 23.2 0.0 41.8  
88 16.3 0.0 32.6





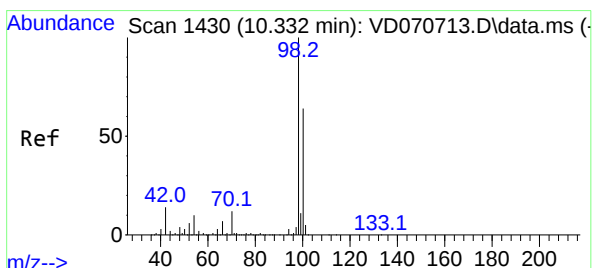
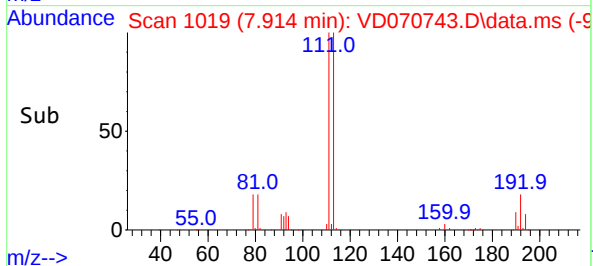
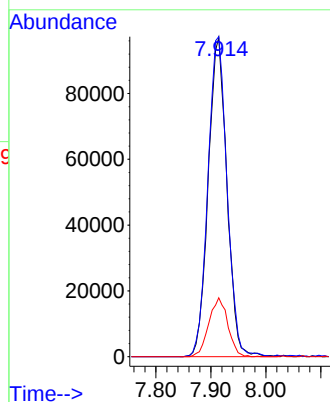
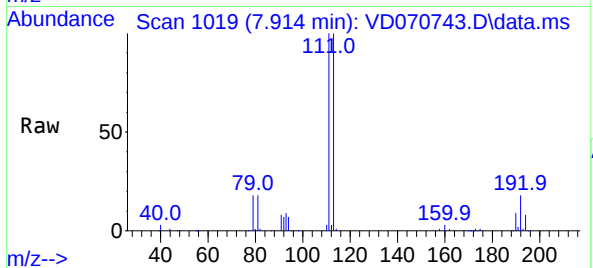
#35  
Dibromofluoromethane  
Concen: 55.404 ug/l  
RT: 7.914 min Scan# 1019  
Delta R.T. 0.006 min  
Lab File: VD070743.D  
Acq: 18 Oct 2021 21:29

Tgt Ion: 113 Resp: 228610  
Ion Ratio Lower Upper  
113 100  
111 102.8 83.1 124.7  
192 18.8 12.7 19.1

Instrument :  
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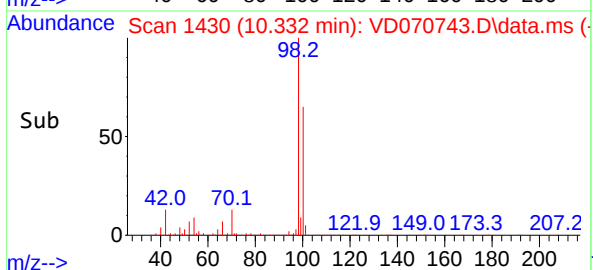
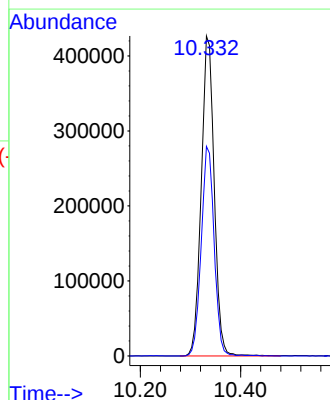
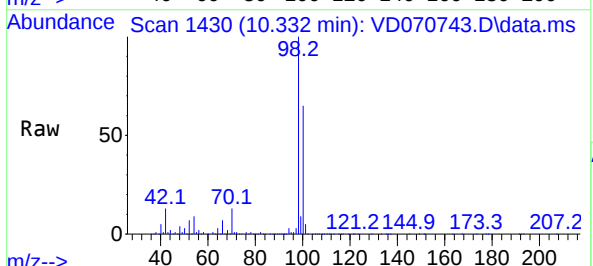
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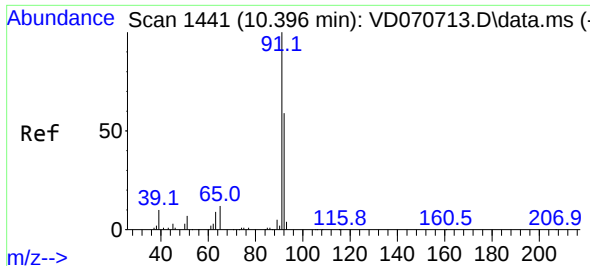
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#50  
Toluene-d8  
Concen: 48.304 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VD070743.D  
Acq: 18 Oct 2021 21:29

Tgt Ion: 98 Resp: 764044  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.2 78.4





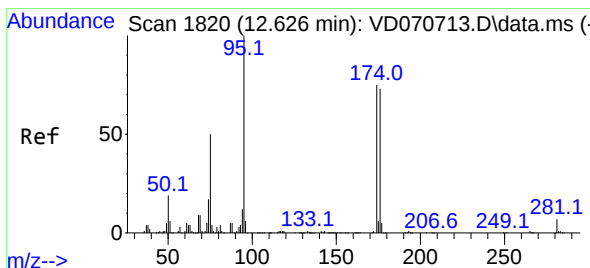
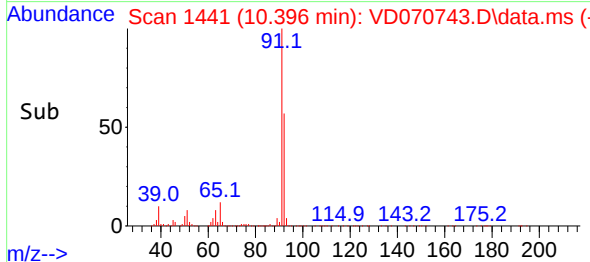
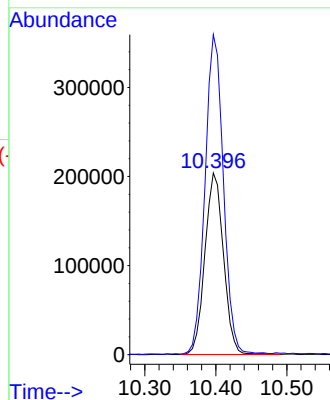
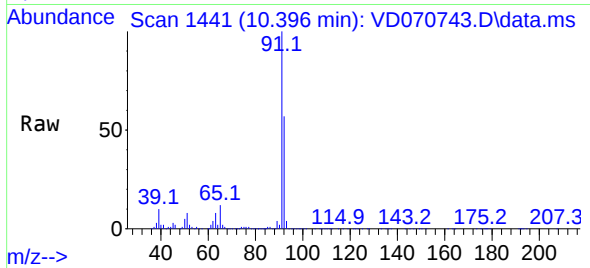
#52  
Toluene  
Concen: 30.101 ug/l  
RT: 10.396 min Scan# 1441  
Delta R.T. -0.000 min  
Lab File: VD070743.D  
Acq: 18 Oct 2021 21:29

Tgt Ion: 92 Resp: 370523  
Ion Ratio Lower Upper  
92 100  
91 174.1 136.3 204.5

Instrument :  
MSVOA\_D  
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CHVB-0513

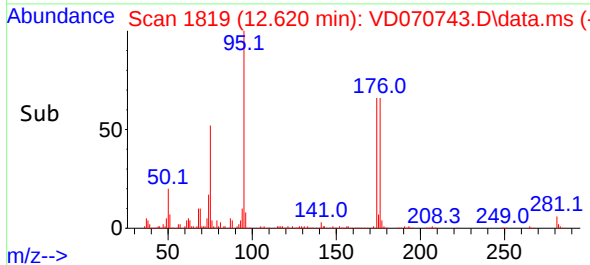
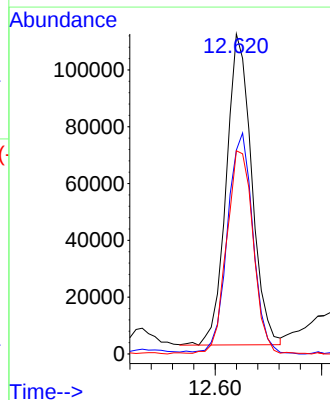
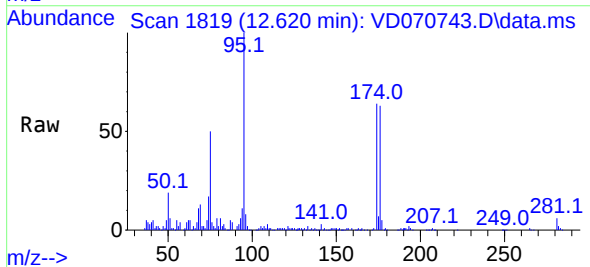
Manual Integrations  
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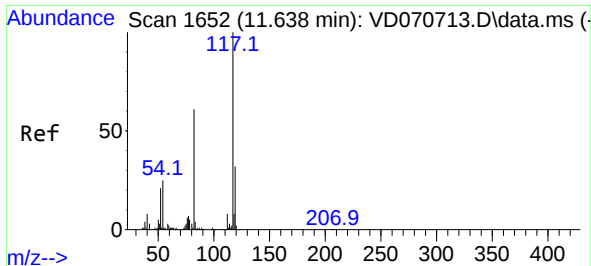
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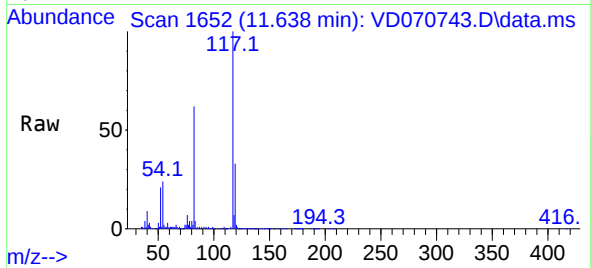
#62  
4-Bromofluorobenzene  
Concen: 33.233 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.006 min  
Lab File: VD070743.D  
Acq: 18 Oct 2021 21:29

Tgt Ion: 95 Resp: 180998  
Ion Ratio Lower Upper  
95 100  
174 71.8 0.0 138.0  
176 68.5 0.0 135.6

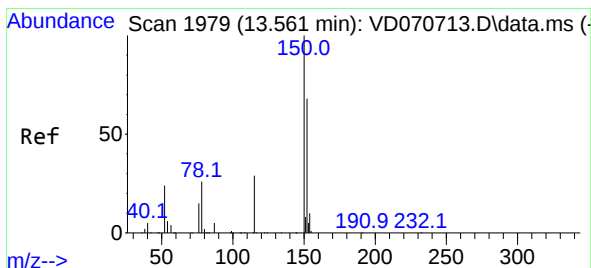
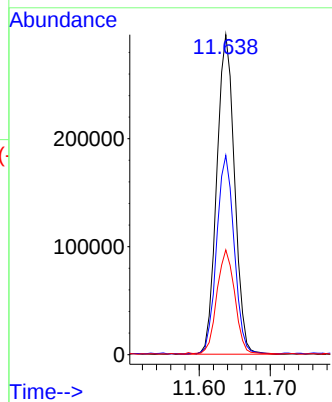
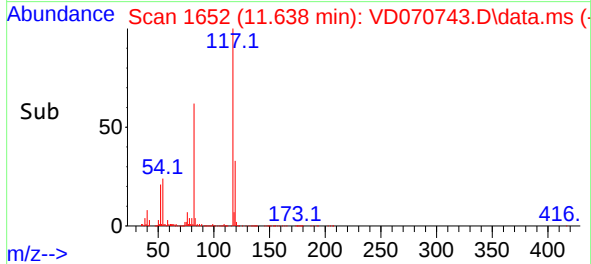




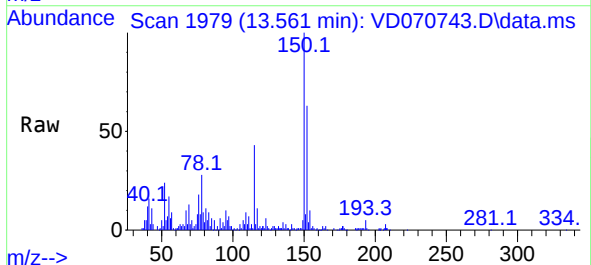
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD070743.D  
Acq: 18 Oct 2021 21:29



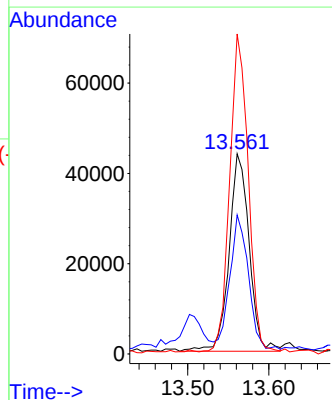
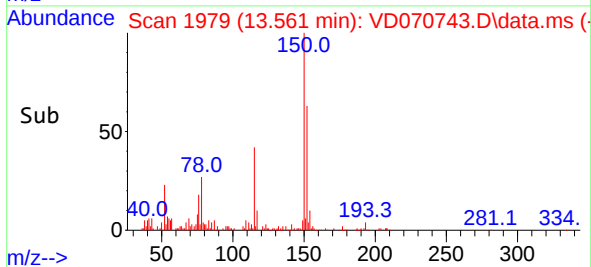
Tgt Ion:117 Resp: 512149  
Ion Ratio Lower Upper  
117 100  
82 62.1 45.4 68.2  
119 32.6 24.7 37.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.561 min Scan# 1979  
Delta R.T. -0.000 min  
Lab File: VD070743.D  
Acq: 18 Oct 2021 21:29



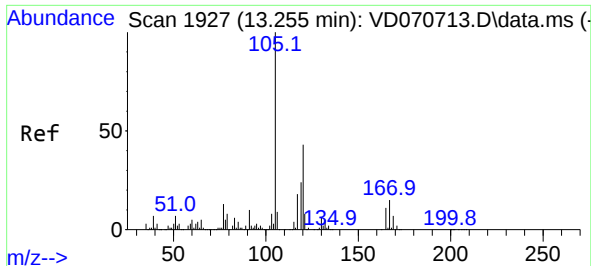
Tgt Ion:152 Resp: 75097  
Ion Ratio Lower Upper  
152 100  
115 61.0 31.9 95.7  
150 148.8 0.0 350.0



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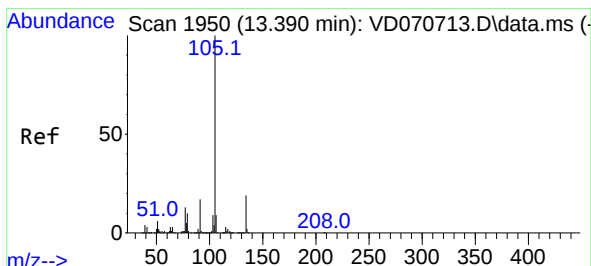
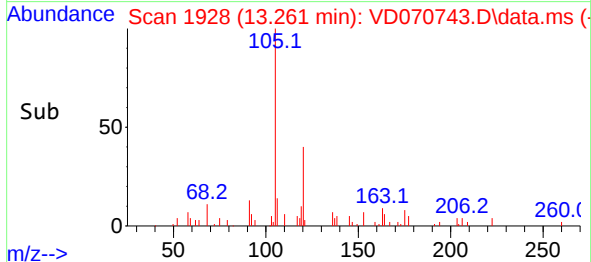
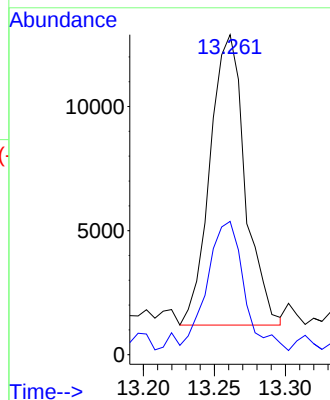
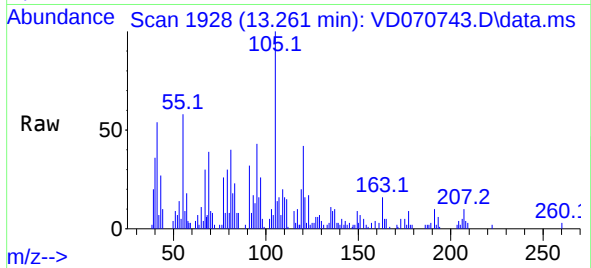
#84  
1,2,4-Trimethylbenzene  
Concen: 4.481 ug/l  
RT: 13.261 min Scan# 1928  
Delta R.T. 0.006 min  
Lab File: VD070743.D  
Acq: 18 Oct 2021 21:29

Tgt Ion:105 Resp: 20154  
Ion Ratio Lower Upper  
105 100  
120 48.4 21.9 65.8

Instrument :  
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ClientSampleId :  
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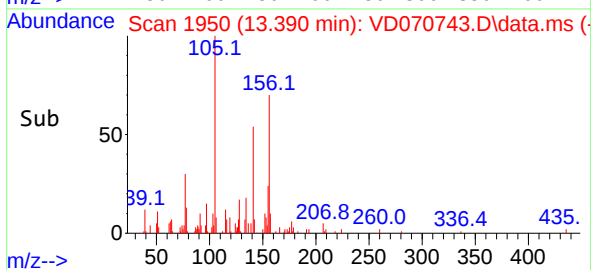
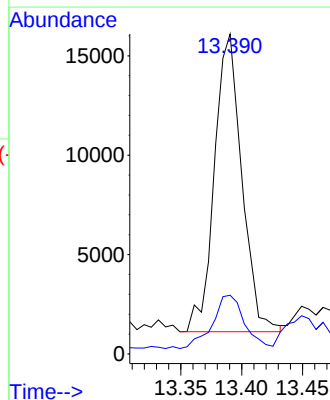
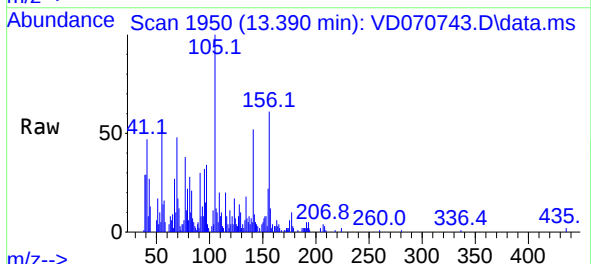
Manual Integrations  
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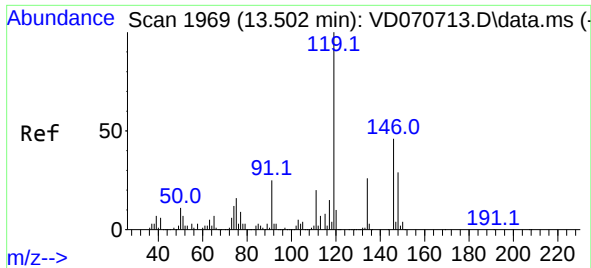
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#85  
sec-Butylbenzene  
Concen: 3.992 ug/l  
RT: 13.390 min Scan# 1950  
Delta R.T. -0.000 min  
Lab File: VD070743.D  
Acq: 18 Oct 2021 21:29

Tgt Ion:105 Resp: 23450  
Ion Ratio Lower Upper  
105 100  
134 21.0 9.3 28.0





#86  
 p-Isopropyltoluene  
 Concen: 23.383 ug/l  
 RT: 13.502 min Scan# 1969  
 Delta R.T. -0.000 min  
 Lab File: VD070743.D  
 Acq: 18 Oct 2021 21:29

Tgt Ion:119 Resp: 110440  
 Ion Ratio Lower Upper  
 119 100  
 134 25.5 12.5 37.5  
 91 39.4 11.9 35.5#

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 CHVB-0513

Manual Integrations  
 APPROVED

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