

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102224\  
 Data File : VY019977.D  
 Acq On : 22 Oct 2024 13:36  
 Operator : SY/MD  
 Sample : P4472-02  
 Misc : 4.26g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 BP-F-28-VOC

Quant Time: Oct 23 01:28:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100924S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 16 05:44:48 2024  
 Response via : Initial Calibration

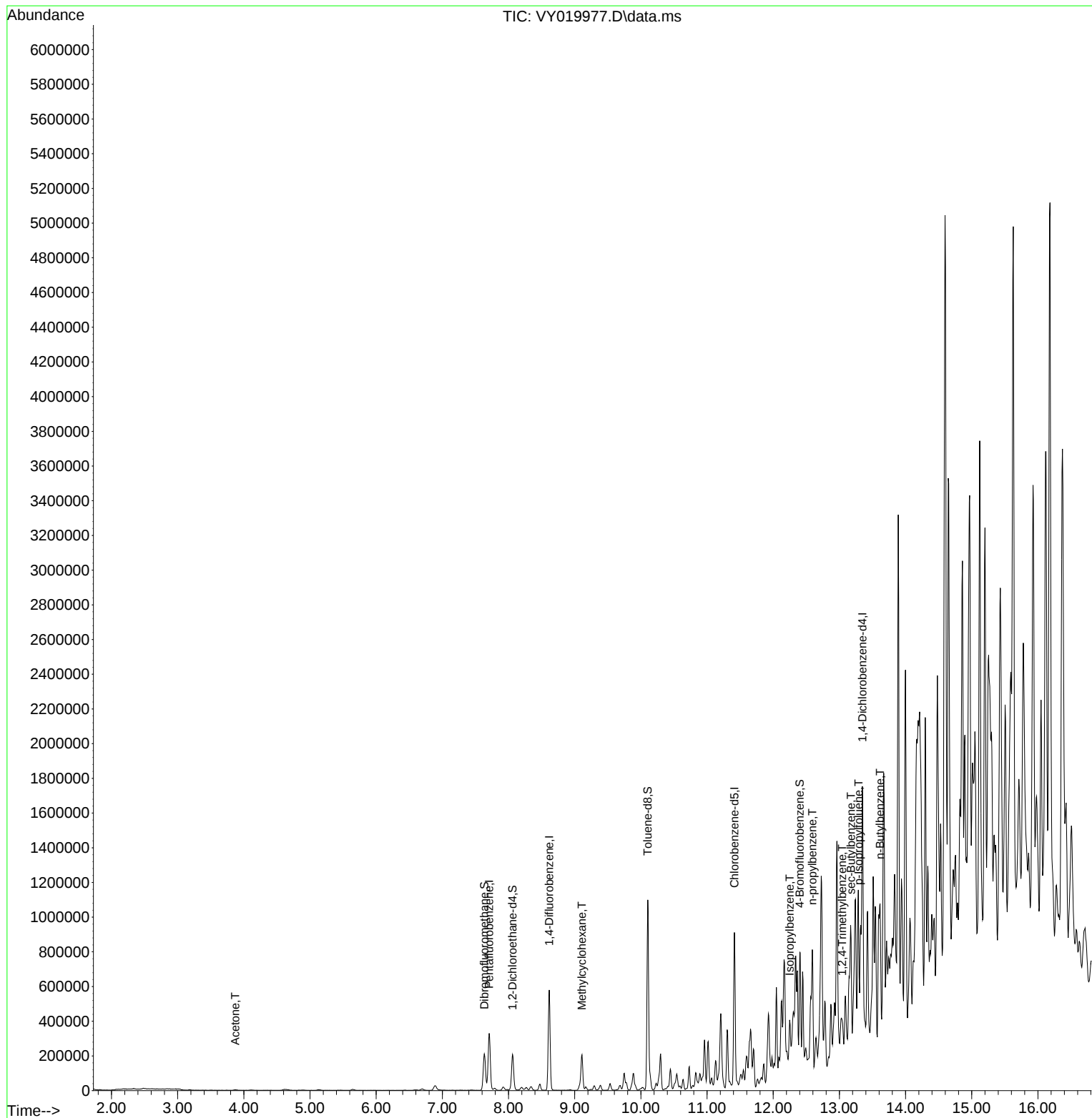
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.707  | 168   | 213399   | 50.000   | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 454794   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 421916   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.346 | 152   | 173993   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 156917   | 59.719   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 119.440% |          |
| 35) Dibromofluoromethane    | 7.634  | 113   | 148219   | 49.388   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 98.780%  |          |
| 50) Toluene-d8              | 10.103 | 98    | 574989   | 51.881   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 103.760% |          |
| 62) 4-Bromofluorobenzene    | 12.402 | 95    | 193371   | 48.288   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | = 96.580%  |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 16) Acetone                 | 3.873  | 43    | 5829     | 8.522    | ug/l       | # 79     |
| 39) Methylcyclohexane       | 9.109  | 83    | 76196    | 13.987   | ug/l       | # 83     |
| 73) Isopropylbenzene        | 12.249 | 105   | 140358   | 9.591    | ug/l       | 99       |
| 78) n-propylbenzene         | 12.591 | 91    | 480430   | 27.168   | ug/l       | 96       |
| 84) 1,2,4-Trimethylbenzene  | 13.042 | 105   | 52341    | 4.467    | ug/l       | 97       |
| 85) sec-Butylbenzene        | 13.176 | 105   | 344707   | 21.790   | ug/l       | 90       |
| 86) p-Isopropyltoluene      | 13.292 | 119   | 67564    | 5.260    | ug/l       | 91       |
| 89) n-Butylbenzene          | 13.615 | 91    | 409744   | 32.666   | ug/l       | # 85     |
| -----                       |        |       |          |          |            |          |

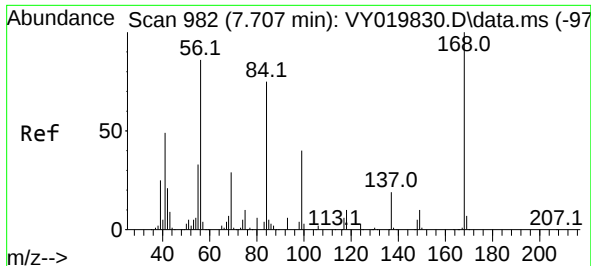
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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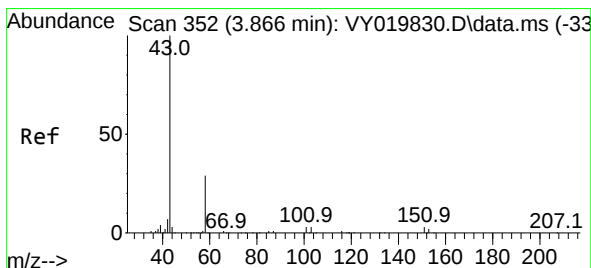
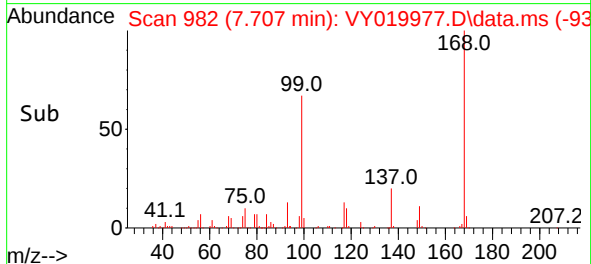
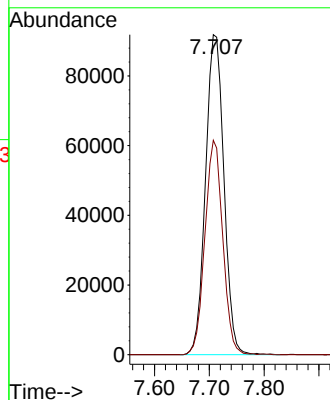
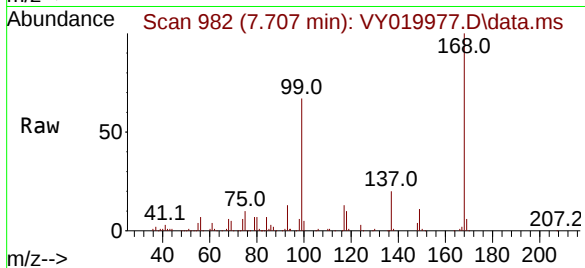




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY019977.D  
Acq: 22 Oct 2024 13:36

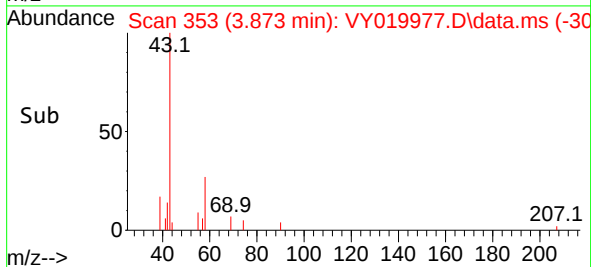
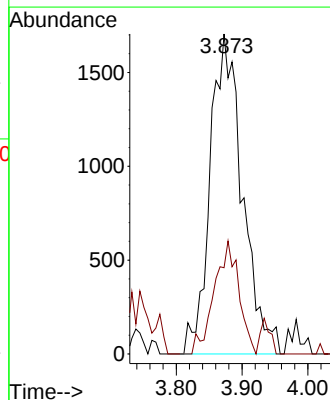
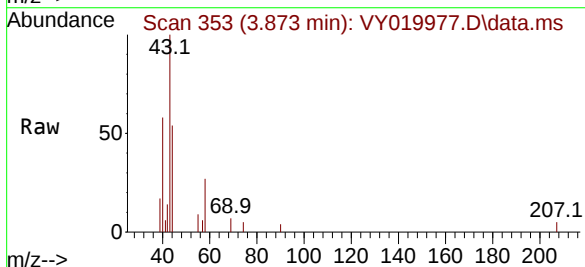
Instrument :  
MSVOA\_Y  
ClientSampleId :  
BP-F-28-VOC

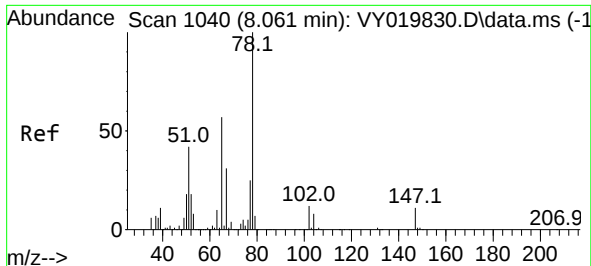
Tgt Ion:168 Resp: 213399  
Ion Ratio Lower Upper  
168 100  
99 67.0 39.1 58.7#



#16  
Acetone  
Concen: 8.522 ug/l  
RT: 3.873 min Scan# 353  
Delta R.T. 0.000 min  
Lab File: VY019977.D  
Acq: 22 Oct 2024 13:36

Tgt Ion: 43 Resp: 5829  
Ion Ratio Lower Upper  
43 100  
58 27.0 31.7 47.5#





#33

1,2-Dichloroethane-d4

Concen: 59.719 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019977.D

Acq: 22 Oct 2024 13:36

Instrument :

MSVOA\_Y

ClientSampleId :

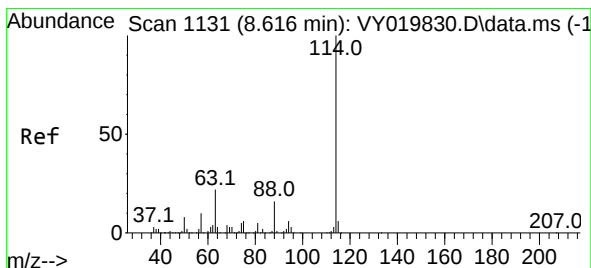
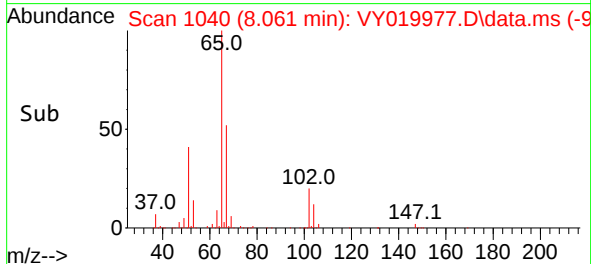
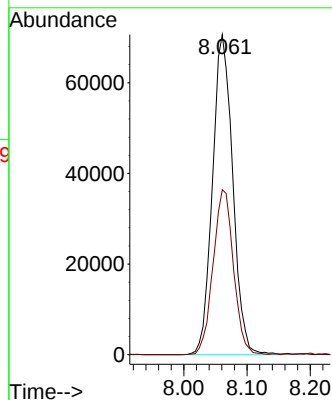
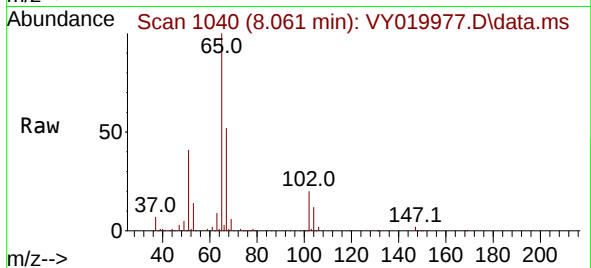
BP-F-28-VOC

Tgt Ion: 65 Resp: 156917

Ion Ratio Lower Upper

65 100

67 51.8 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019977.D

Acq: 22 Oct 2024 13:36

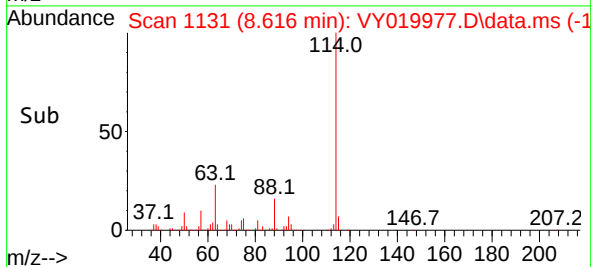
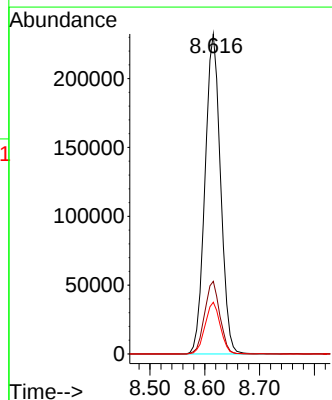
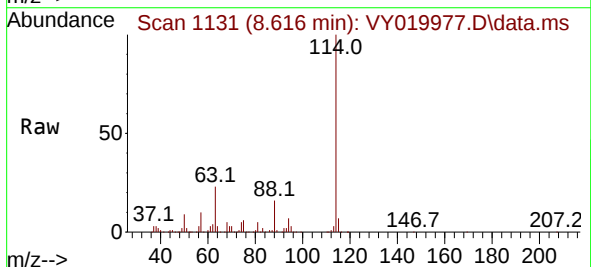
Tgt Ion: 114 Resp: 454794

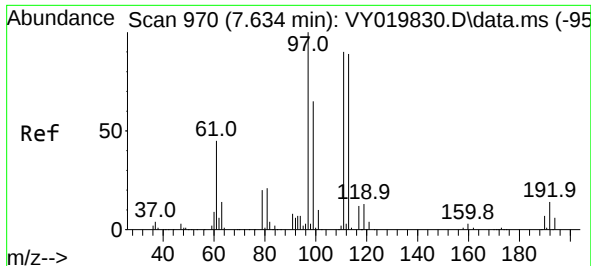
Ion Ratio Lower Upper

114 100

63 22.7 0.0 35.0

88 16.1 0.0 27.2

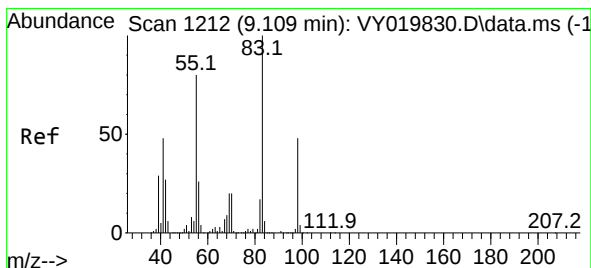
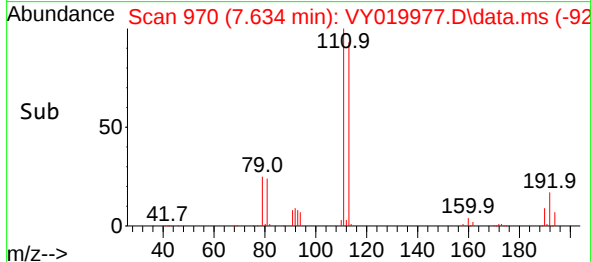
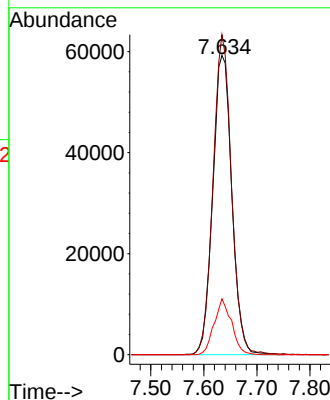
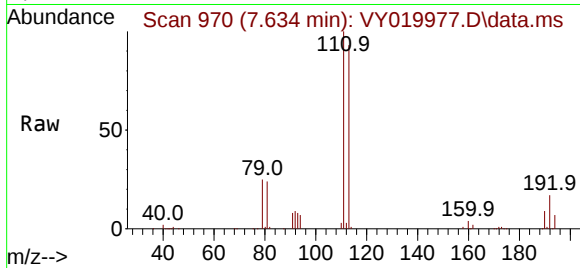




#35  
Dibromofluoromethane  
Concen: 49.388 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY019977.D  
Acq: 22 Oct 2024 13:36

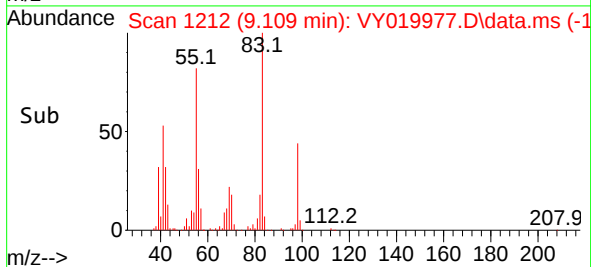
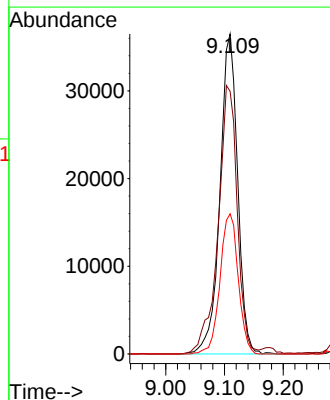
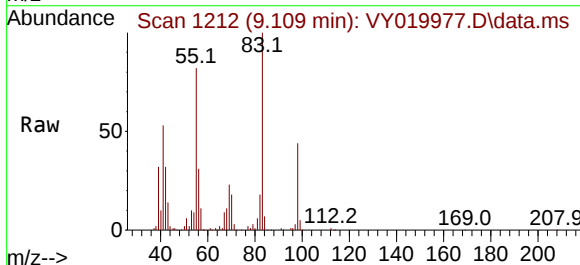
Instrument :  
MSVOA\_Y  
ClientSampleId :  
BP-F-28-VOC

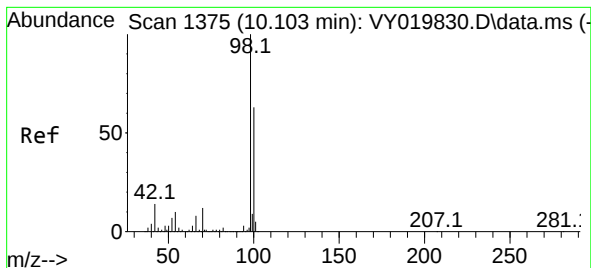
Tgt Ion:113 Resp: 148219  
Ion Ratio Lower Upper  
113 100  
111 103.0 82.2 123.4  
192 17.0 15.9 23.9



#39  
Methylcyclohexane  
Concen: 13.987 ug/l  
RT: 9.109 min Scan# 1212  
Delta R.T. 0.000 min  
Lab File: VY019977.D  
Acq: 22 Oct 2024 13:36

Tgt Ion: 83 Resp: 76196  
Ion Ratio Lower Upper  
83 100  
55 82.0 51.5 77.3#  
98 43.8 40.5 60.7

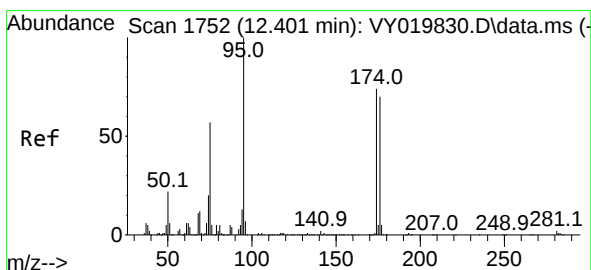
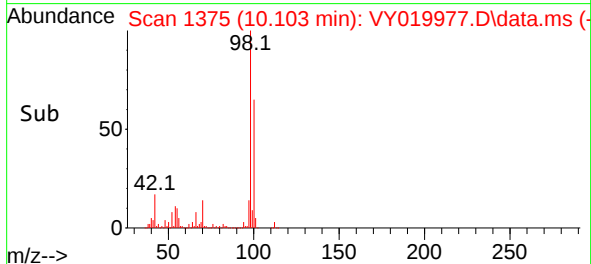
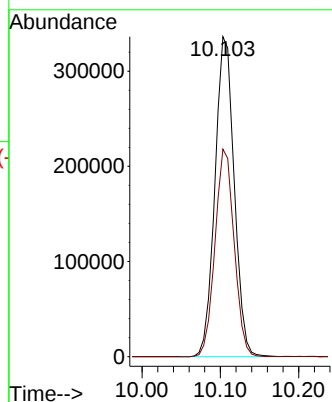
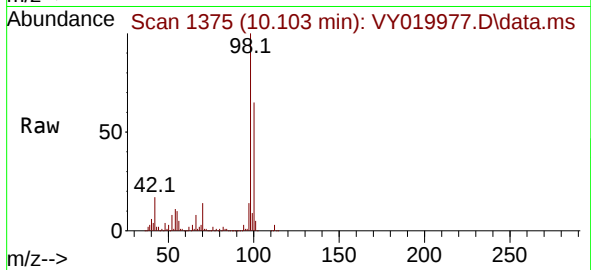




#50  
Toluene-d8  
Concen: 51.881 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. -0.006 min  
Lab File: VY019977.D  
Acq: 22 Oct 2024 13:36

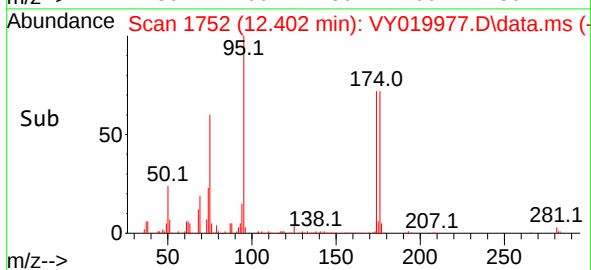
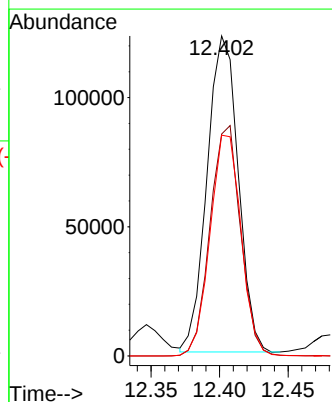
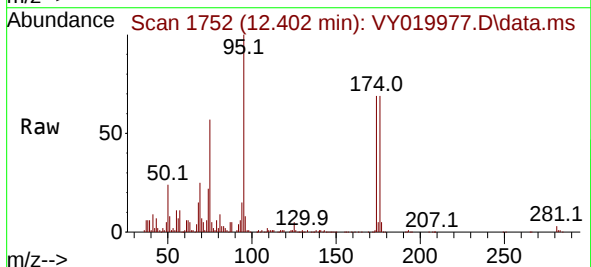
Instrument :  
MSVOA\_Y  
ClientSampleId :  
BP-F-28-VOC

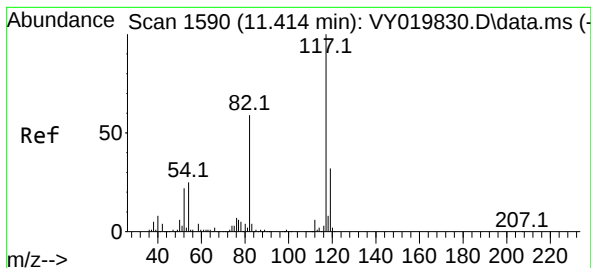
Tgt Ion: 98 Resp: 574989  
Ion Ratio Lower Upper  
98 100  
100 64.4 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 48.288 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. -0.006 min  
Lab File: VY019977.D  
Acq: 22 Oct 2024 13:36

Tgt Ion: 95 Resp: 193371  
Ion Ratio Lower Upper  
95 100  
174 71.4 0.0 175.6  
176 69.7 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019977.D

Acq: 22 Oct 2024 13:36

Instrument :

MSVOA\_Y

ClientSampleId :

BP-F-28-VOC

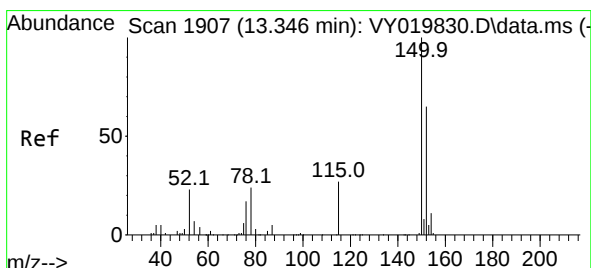
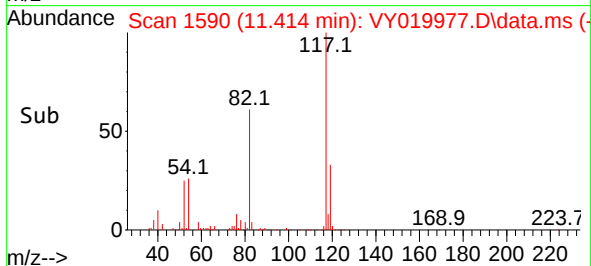
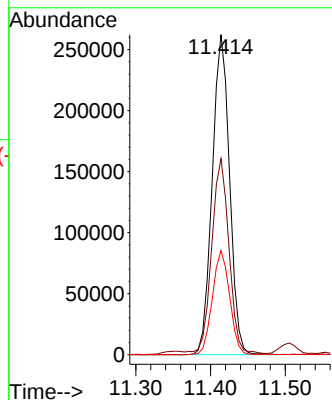
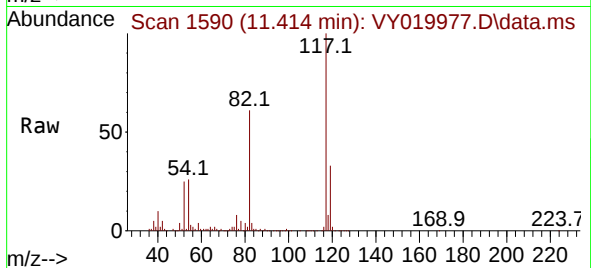
Tgt Ion:117 Resp: 421916

Ion Ratio Lower Upper

117 100

82 60.3 42.4 63.6

119 32.5 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019977.D

Acq: 22 Oct 2024 13:36

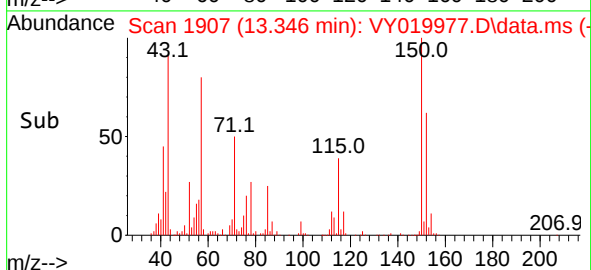
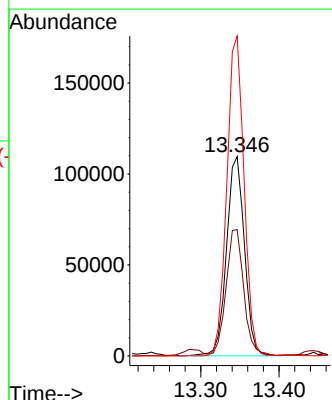
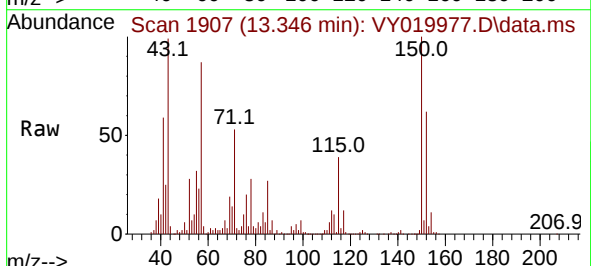
Tgt Ion:152 Resp: 173993

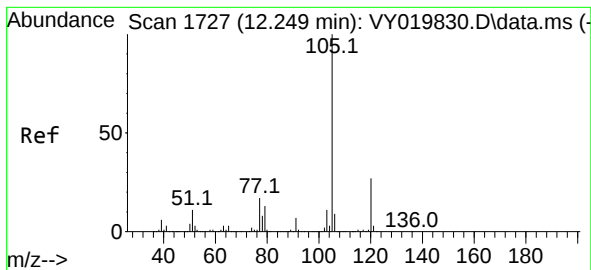
Ion Ratio Lower Upper

152 100

115 61.7 28.2 84.7

150 154.1 0.0 345.6





#73

Isopropylbenzene

Concen: 9.591 ug/l

RT: 12.249 min Scan# 1727

Delta R.T. -0.006 min

Lab File: VY019977.D

Acq: 22 Oct 2024 13:36

Instrument :

MSVOA\_Y

ClientSampleId :

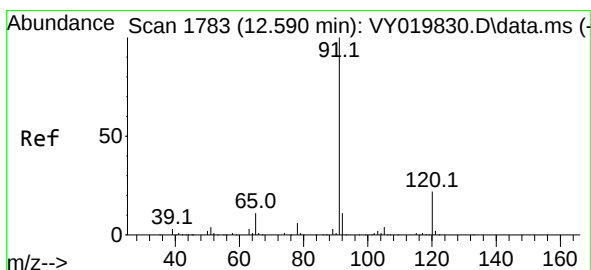
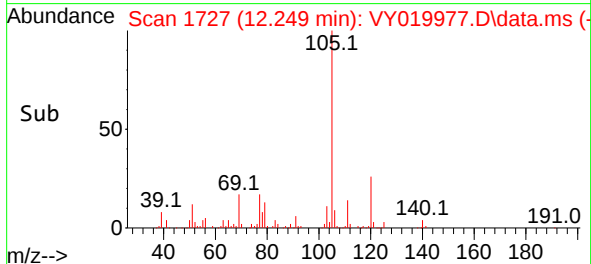
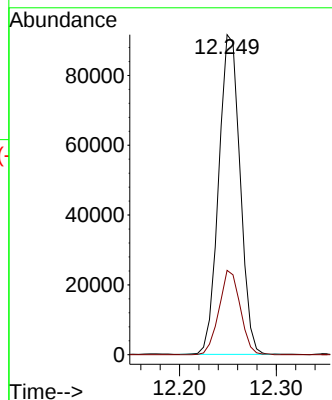
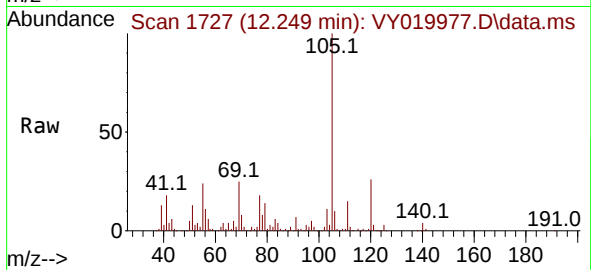
BP-F-28-VOC

Tgt Ion:105 Resp: 140358

Ion Ratio Lower Upper

105 100

120 26.2 13.4 40.1



#78

n-propylbenzene

Concen: 27.168 ug/l

RT: 12.591 min Scan# 1783

Delta R.T. -0.006 min

Lab File: VY019977.D

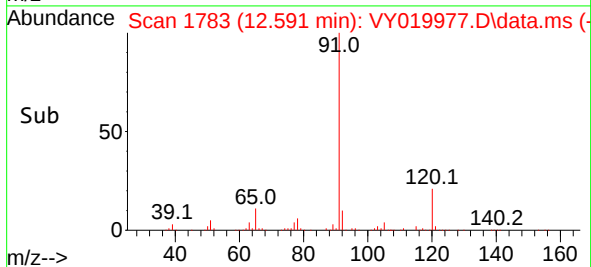
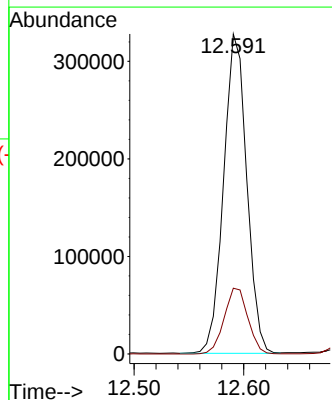
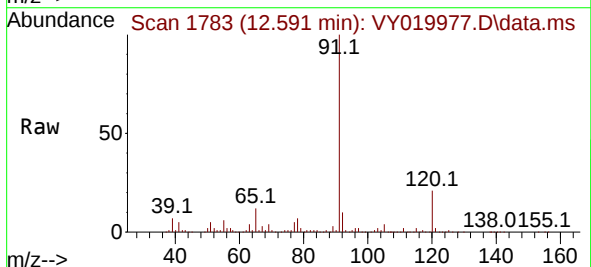
Acq: 22 Oct 2024 13:36

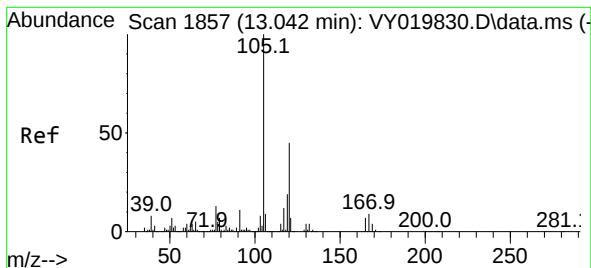
Tgt Ion: 91 Resp: 480430

Ion Ratio Lower Upper

91 100

120 21.1 11.5 34.4





#84

1,2,4-Trimethylbenzene

Concen: 4.467 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.006 min

Lab File: VY019977.D

Acq: 22 Oct 2024 13:36

Instrument :

MSVOA\_Y

ClientSampleId :

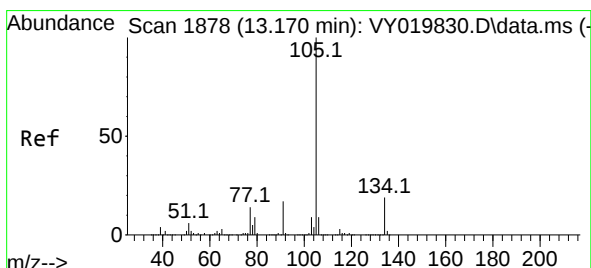
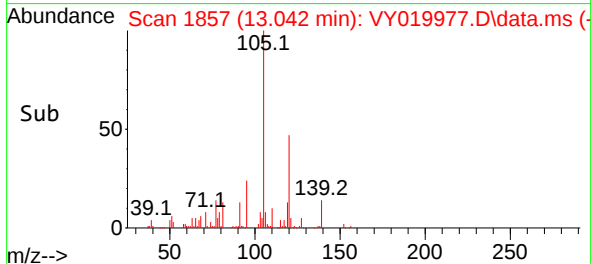
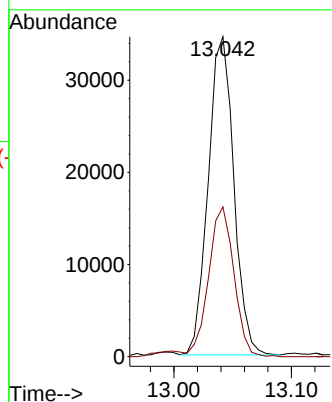
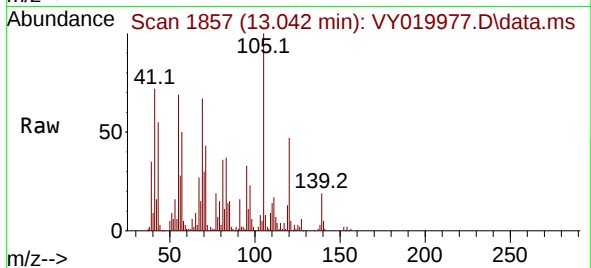
BP-F-28-VOC

Tgt Ion:105 Resp: 52341

Ion Ratio Lower Upper

105 100

120 48.4 23.2 69.6



#85

sec-Butylbenzene

Concen: 21.790 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY019977.D

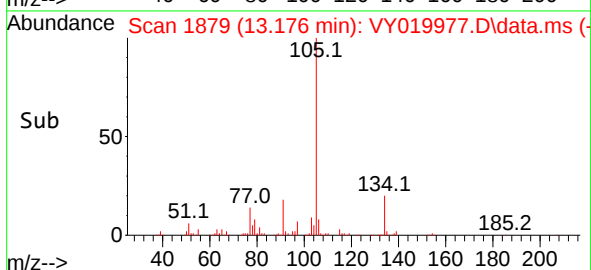
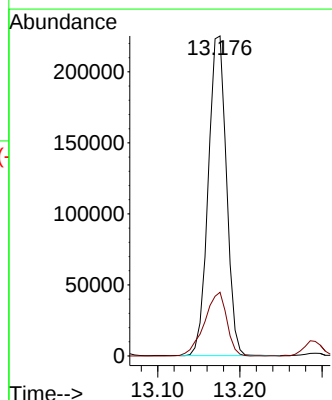
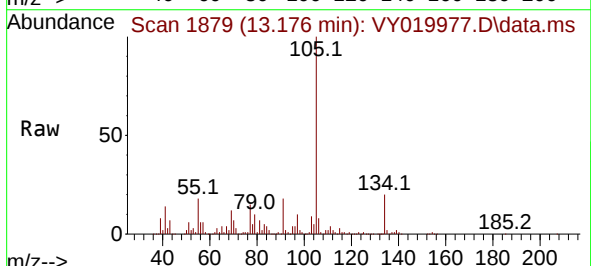
Acq: 22 Oct 2024 13:36

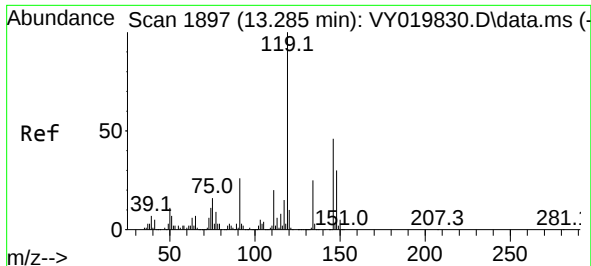
Tgt Ion:105 Resp: 344707

Ion Ratio Lower Upper

105 100

134 24.5 10.1 30.1

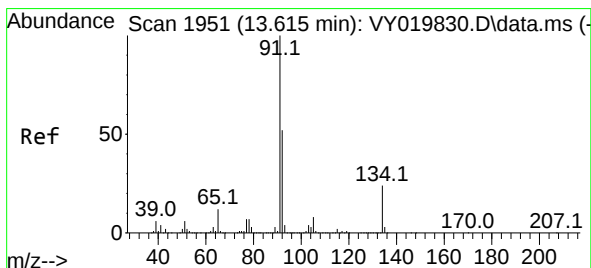
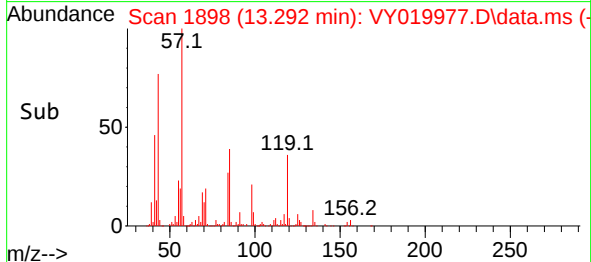
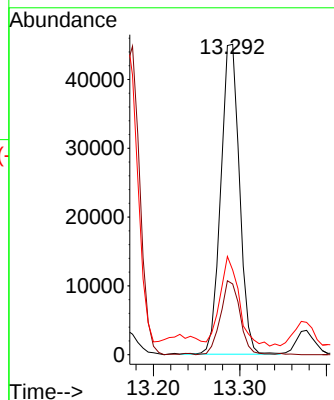
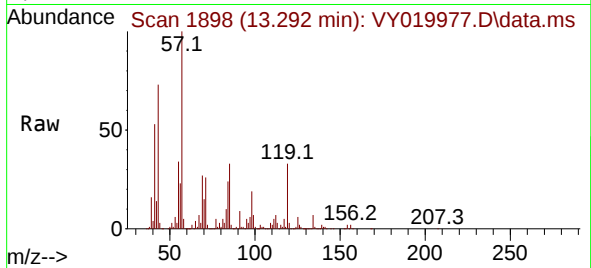




#86  
p-Isopropyltoluene  
Concen: 5.260 ug/l  
RT: 13.292 min Scan# 1898  
Delta R.T. 0.000 min  
Lab File: VY019977.D  
Acq: 22 Oct 2024 13:36

Instrument :  
MSVOA\_Y  
ClientSampleId :  
BP-F-28-VOC

Tgt Ion:119 Resp: 67564  
Ion Ratio Lower Upper  
119 100  
134 24.8 13.1 39.3  
91 29.3 10.7 32.1



#89  
n-Butylbenzene  
Concen: 32.666 ug/l  
RT: 13.615 min Scan# 1951  
Delta R.T. -0.006 min  
Lab File: VY019977.D  
Acq: 22 Oct 2024 13:36

Tgt Ion: 91 Resp: 409744  
Ion Ratio Lower Upper  
91 100  
92 49.2 26.6 79.7  
134 43.1 12.9 38.7#

