

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020824\  
 Data File : VY017327.D  
 Acq On : 08 Feb 2024 20:58  
 Operator : SY/MD  
 Sample : P1387-01RE  
 Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 HD-01-020724RE

Quant Time: Feb 09 00:17:57 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020124S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 02 00:56:04 2024  
 Response via : Initial Calibration

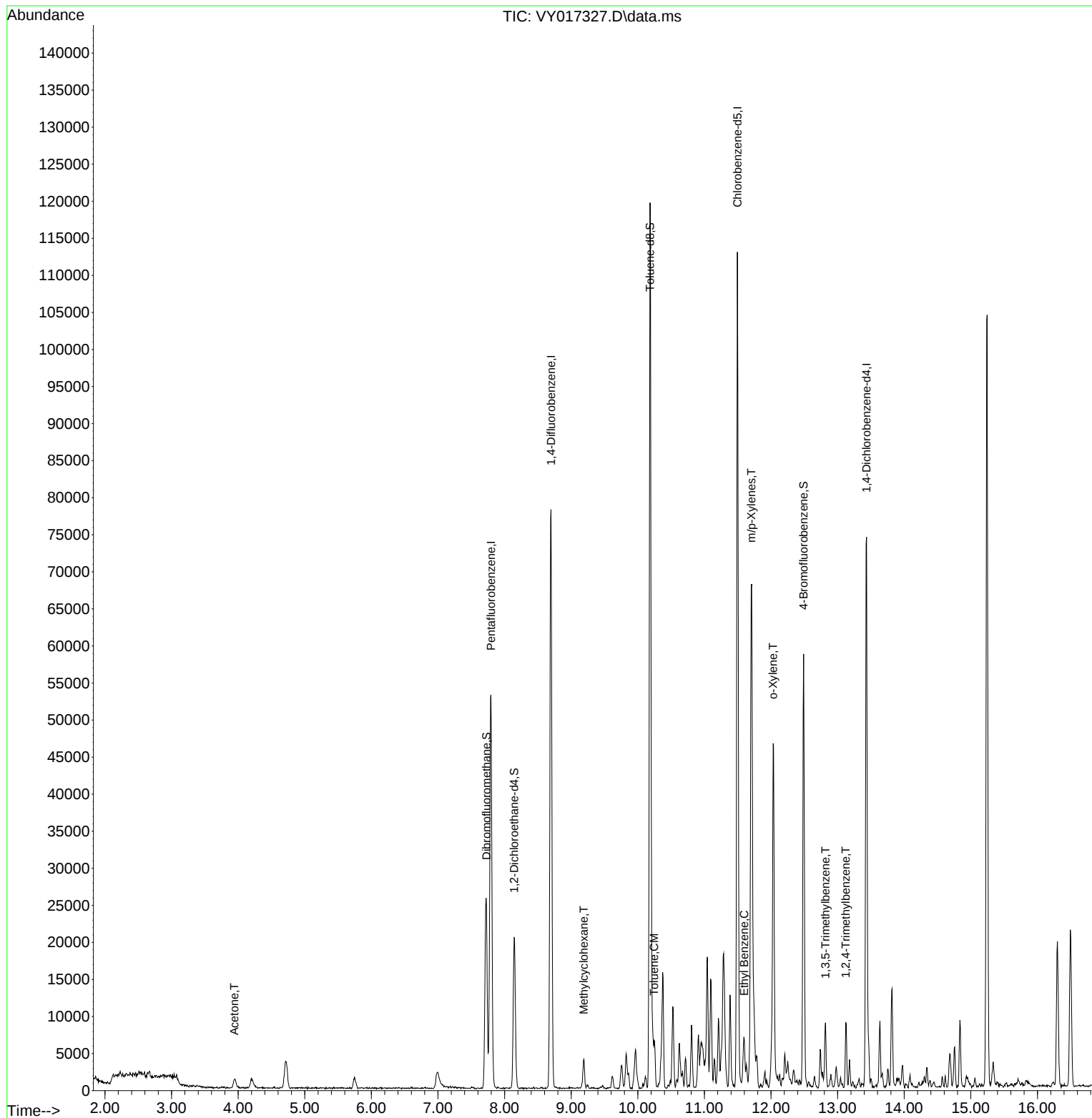
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.795  | 168   | 40443    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.697  | 114   | 69286    | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.496 | 117   | 59526    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.434 | 152   | 19516    | 50.000   | ug/l   | 0.00     |
|                             |        |       |          |          |        |          |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 15637    | 43.281   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 86.560%  |
| 35) Dibromofluoromethane    | 7.728  | 113   | 18758    | 50.142   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 100.280% |
| 50) Toluene-d8              | 10.185 | 98    | 69223    | 50.822   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 101.640% |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 16937    | 37.959   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 75.920%  |
|                             |        |       |          |          |        |          |
| Target Compounds            |        |       |          |          |        |          |
| 16) Acetone                 | 3.942  | 43    | 2290     | 21.565   | ug/l   | 92       |
| 39) Methylcyclohexane       | 9.191  | 83    | 1436     | 1.905    | ug/l # | 91       |
| 52) Toluene                 | 10.246 | 92    | 2649     | 2.382    | ug/l   | 92       |
| 67) Ethyl Benzene           | 11.599 | 91    | 3527     | 1.699    | ug/l   | 95       |
| 68) m/p-Xylenes             | 11.703 | 106   | 19061    | 24.202   | ug/l   | 97       |
| 69) o-Xylene                | 12.032 | 106   | 11943    | 16.467   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene  | 12.819 | 105   | 2840     | 2.491    | ug/l   | 89       |
| 84) 1,2,4-Trimethylbenzene  | 13.123 | 105   | 5032     | 4.471    | ug/l   | 98       |
| -----                       |        |       |          |          |        |          |

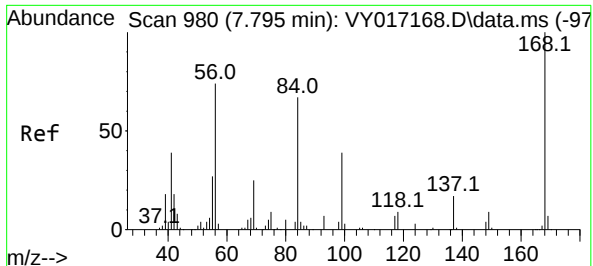
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_Y  
ClientSampleId :  
HD-01-020724RE

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QLast Update : Fri Feb 02 00:56:04 2024  
Response via : Initial Calibration

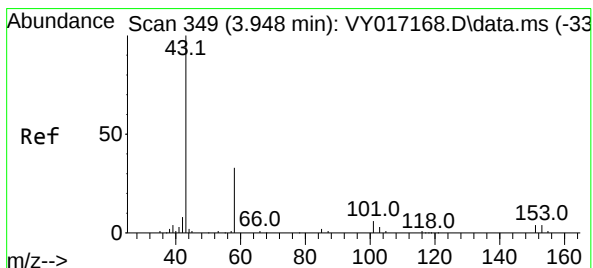
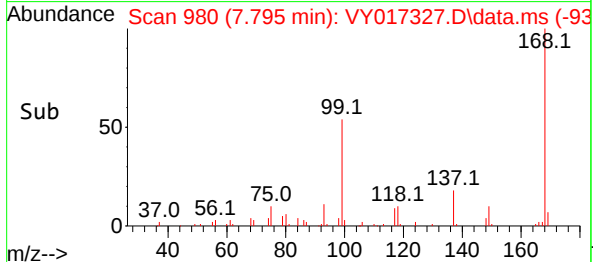
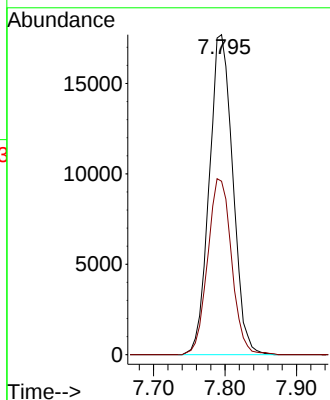
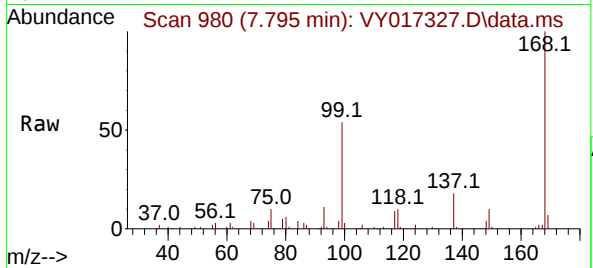




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY017327.D  
Acq: 08 Feb 2024 20:58

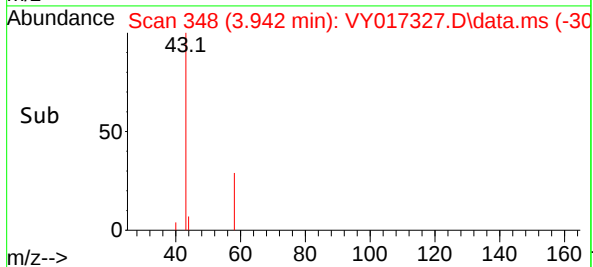
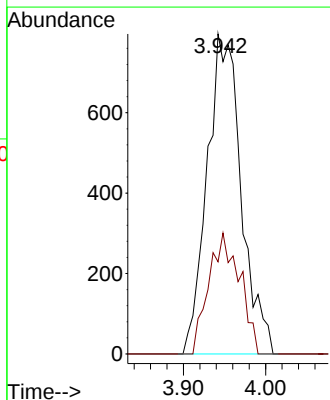
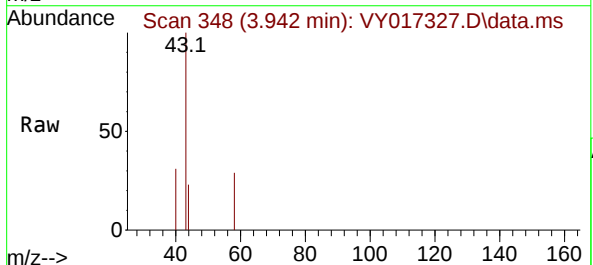
Instrument :  
MSVOA\_Y  
ClientSampleId :  
HD-01-020724RE

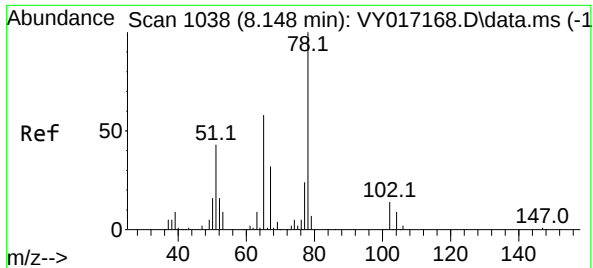
Tgt Ion:168 Resp: 40443  
Ion Ratio Lower Upper  
168 100  
99 54.2 44.2 66.4



#16  
Acetone  
Concen: 21.565 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. -0.006 min  
Lab File: VY017327.D  
Acq: 08 Feb 2024 20:58

Tgt Ion: 43 Resp: 2290  
Ion Ratio Lower Upper  
43 100  
58 28.8 26.6 39.8





#33

1,2-Dichloroethane-d4

Concen: 43.281 ug/l

RT: 8.143 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY017327.D

Acq: 08 Feb 2024 20:58

Instrument :

MSVOA\_Y

ClientSampleId :

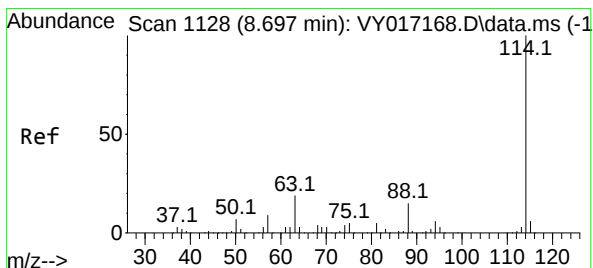
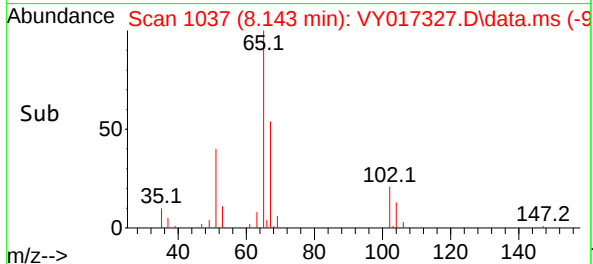
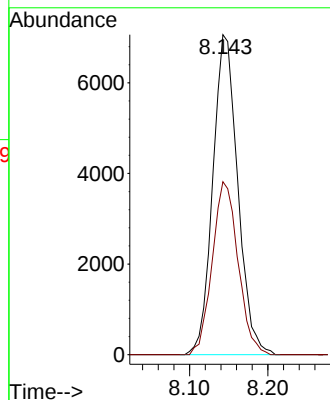
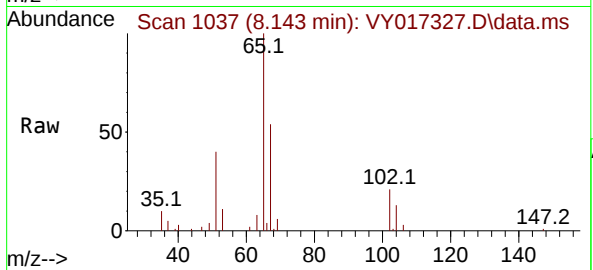
HD-01-020724RE

Tgt Ion: 65 Resp: 15637

Ion Ratio Lower Upper

65 100

67 55.9 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY017327.D

Acq: 08 Feb 2024 20:58

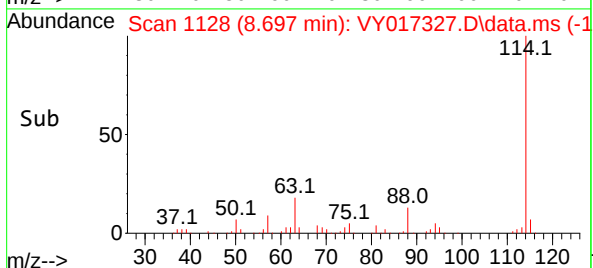
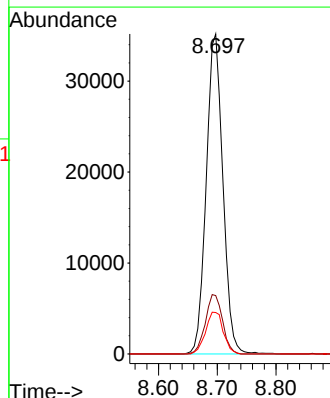
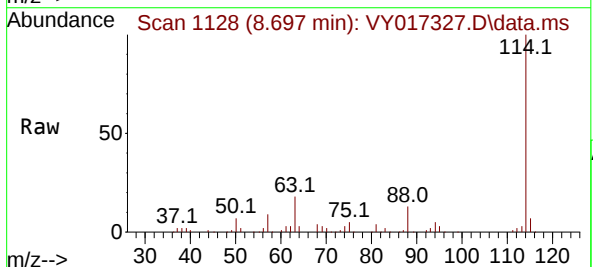
Tgt Ion: 114 Resp: 69286

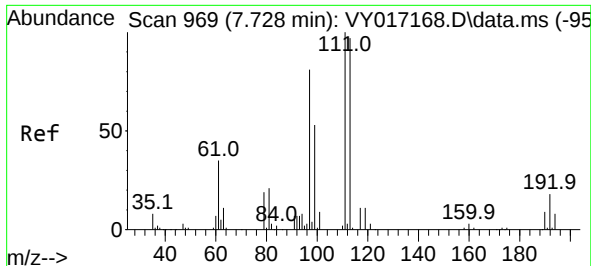
Ion Ratio Lower Upper

114 100

63 18.3 0.0 37.4

88 13.0 0.0 29.0

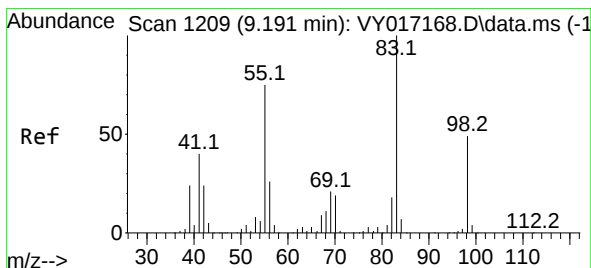
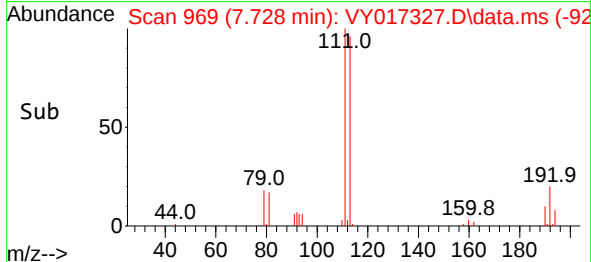
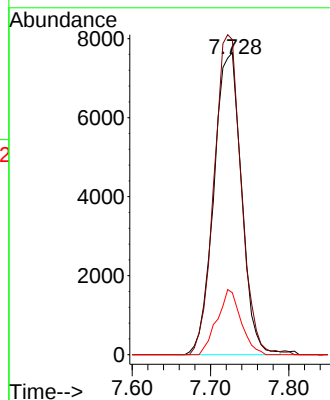
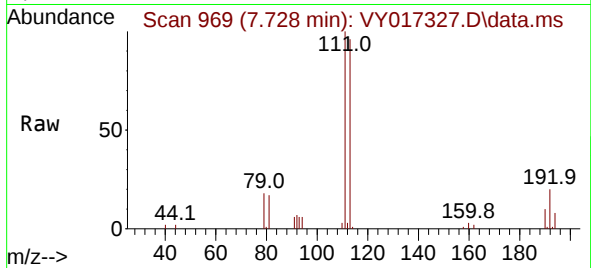




#35  
Dibromofluoromethane  
Concen: 50.142 ug/l  
RT: 7.728 min Scan# 90  
Delta R.T. 0.000 min  
Lab File: VY017327.D  
Acq: 08 Feb 2024 20:58

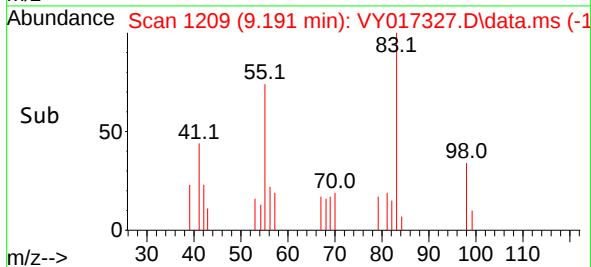
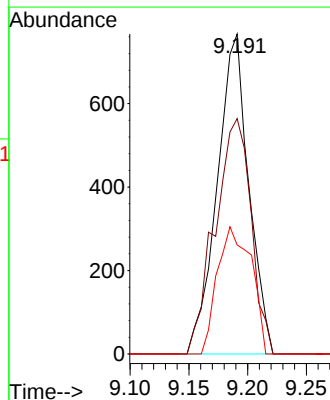
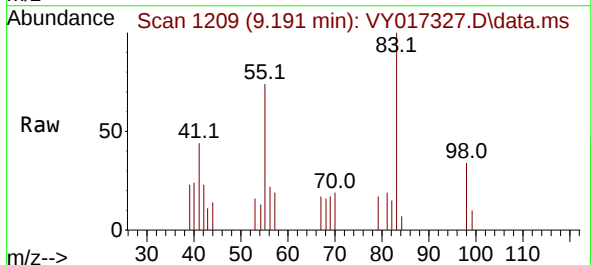
Instrument :  
MSVOA\_Y  
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HD-01-020724RE

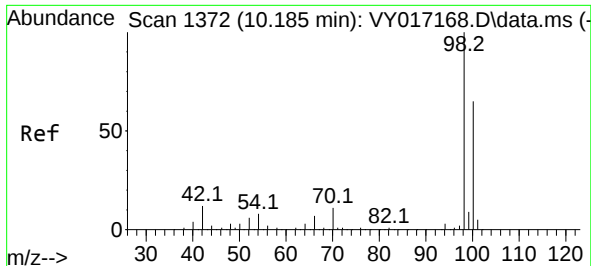
Tgt Ion:113 Resp: 18758  
Ion Ratio Lower Upper  
113 100  
111 103.7 83.8 125.6  
192 18.6 14.5 21.7



#39  
Methylcyclohexane  
Concen: 1.905 ug/l  
RT: 9.191 min Scan# 1209  
Delta R.T. 0.000 min  
Lab File: VY017327.D  
Acq: 08 Feb 2024 20:58

Tgt Ion: 83 Resp: 1436  
Ion Ratio Lower Upper  
83 100  
55 73.5 59.7 89.5  
98 34.0 38.0 57.0#

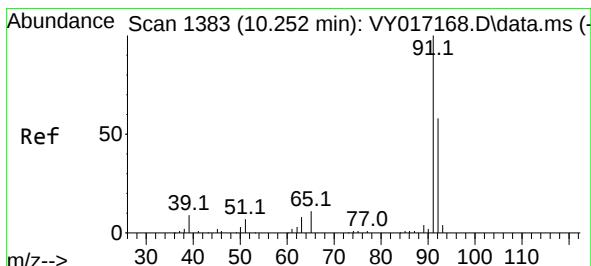
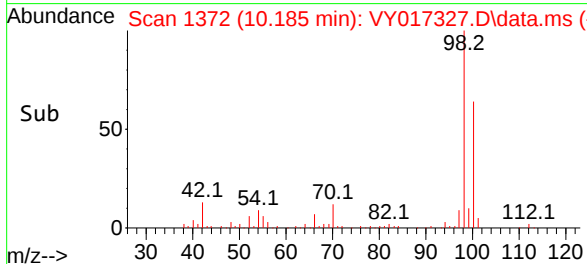
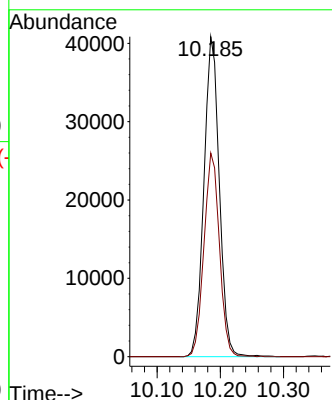
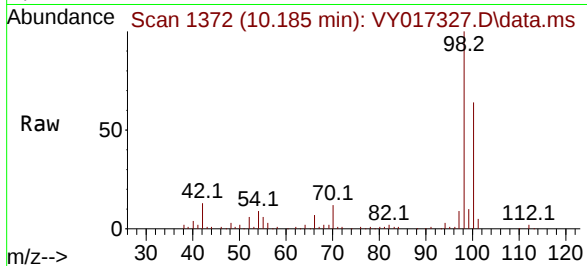




#50  
Toluene-d8  
Concen: 50.822 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY017327.D  
Acq: 08 Feb 2024 20:58

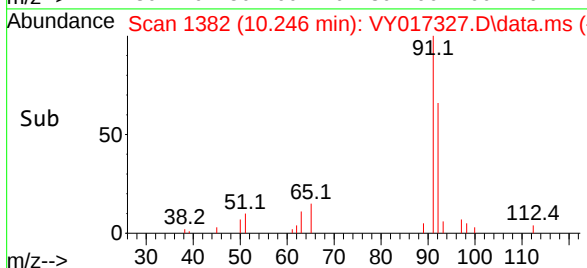
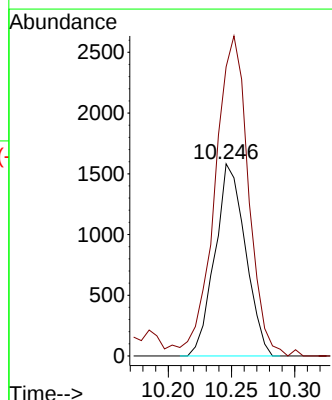
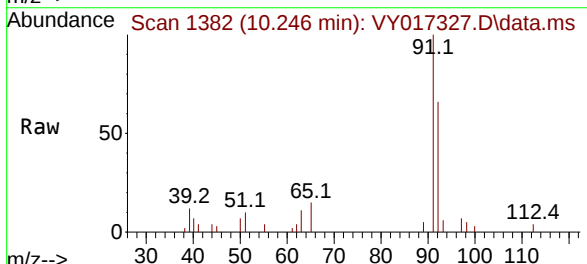
Instrument :  
MSVOA\_Y  
ClientSampleId :  
HD-01-020724RE

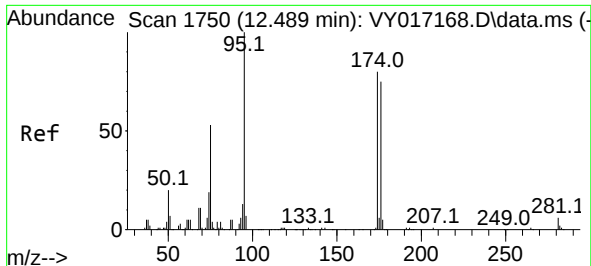
Tgt Ion: 98 Resp: 69223  
Ion Ratio Lower Upper  
98 100  
100 63.8 52.3 78.5



#52  
Toluene  
Concen: 2.382 ug/l  
RT: 10.246 min Scan# 1382  
Delta R.T. -0.006 min  
Lab File: VY017327.D  
Acq: 08 Feb 2024 20:58

Tgt Ion: 92 Resp: 2649  
Ion Ratio Lower Upper  
92 100  
91 183.0 137.6 206.4

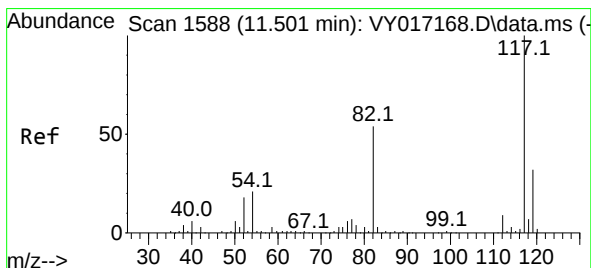
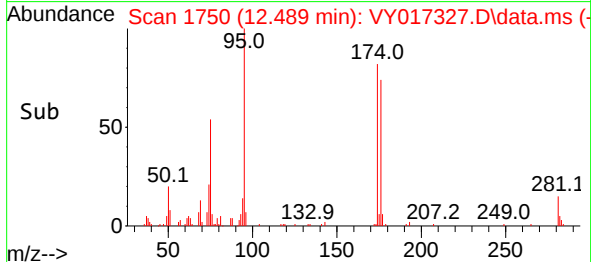
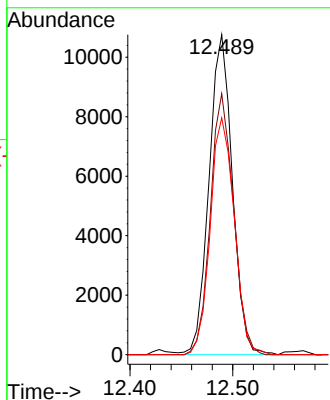
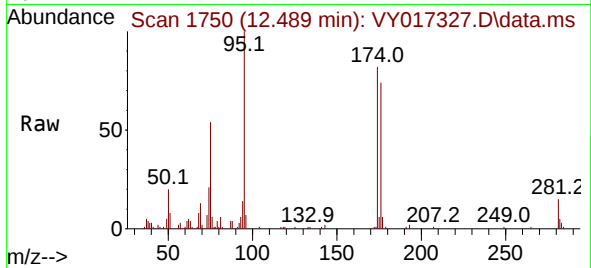




#62  
4-Bromofluorobenzene  
Concen: 37.959 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.000 min  
Lab File: VY017327.D  
Acq: 08 Feb 2024 20:58

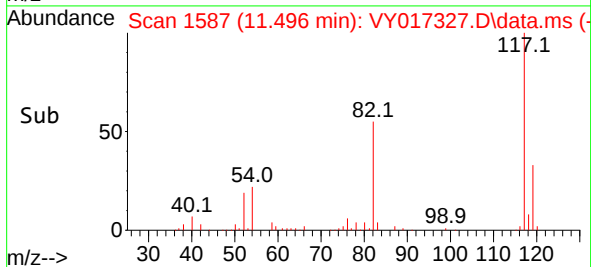
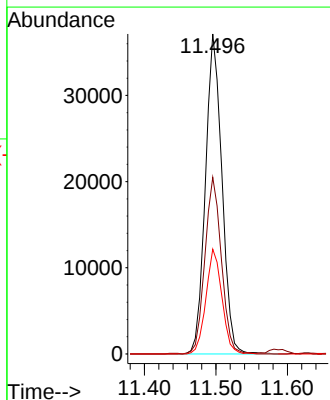
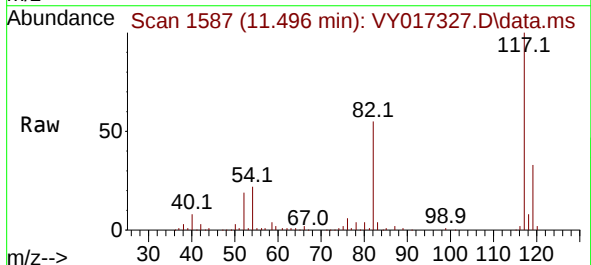
Instrument :  
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ClientSampleId :  
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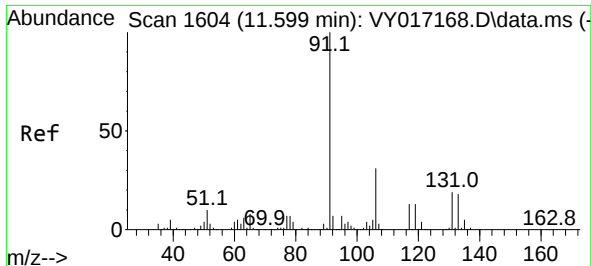
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 16937 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 81.1  | 0.0   | 160.0 |
| 176      | 76.3  | 0.0   | 151.8 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.006 min  
Lab File: VY017327.D  
Acq: 08 Feb 2024 20:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 59526 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 55.0  | 43.8  | 65.8  |
| 119      | 32.7  | 26.5  | 39.7  |





#67

Ethyl Benzene

Concen: 1.699 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. 0.000 min

Lab File: VY017327.D

Acq: 08 Feb 2024 20:58

Instrument :

MSVOA\_Y

ClientSampleId :

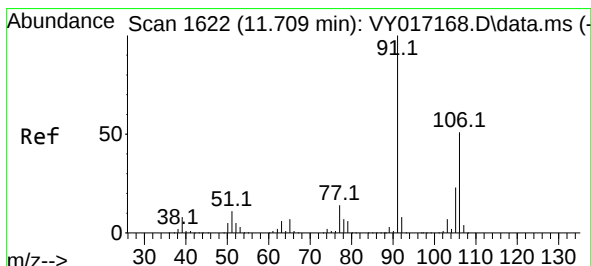
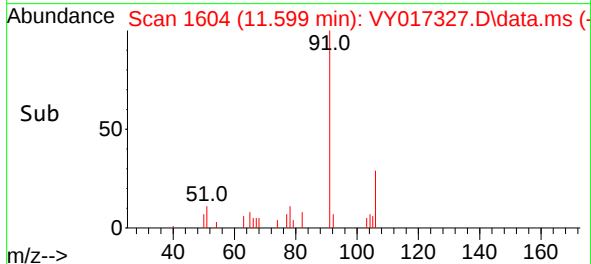
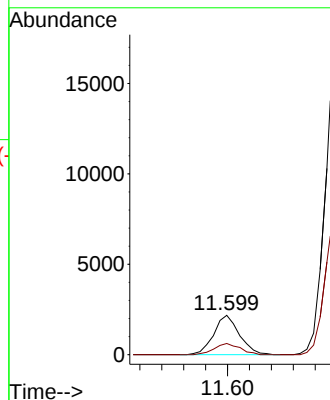
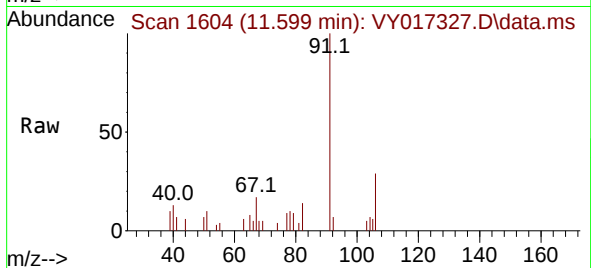
HD-01-020724RE

Tgt Ion: 91 Resp: 3527

Ion Ratio Lower Upper

91 100

106 28.5 25.0 37.4



#68

m/p-Xylenes

Concen: 24.202 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.006 min

Lab File: VY017327.D

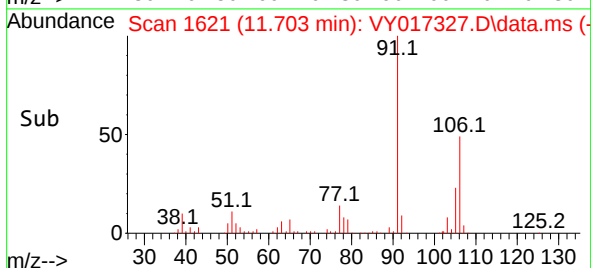
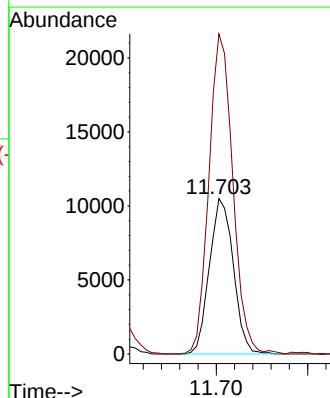
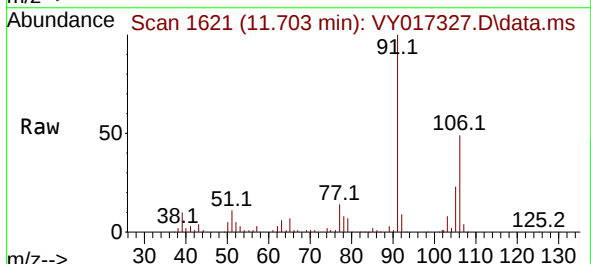
Acq: 08 Feb 2024 20:58

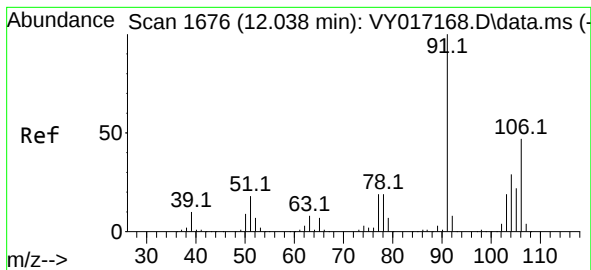
Tgt Ion: 106 Resp: 19061

Ion Ratio Lower Upper

106 100

91 206.1 160.7 241.1





#69

o-Xylene

Concen: 16.467 ug/l

RT: 12.032 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY017327.D

Acq: 08 Feb 2024 20:58

Instrument :

MSVOA\_Y

ClientSampleId :

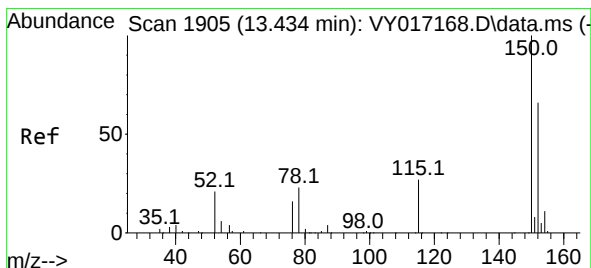
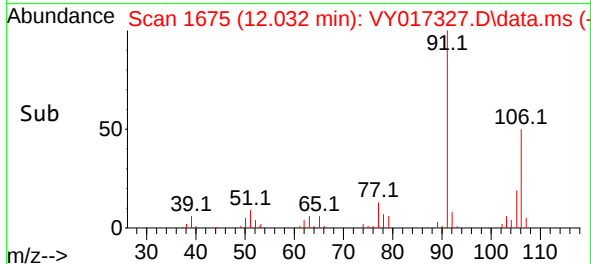
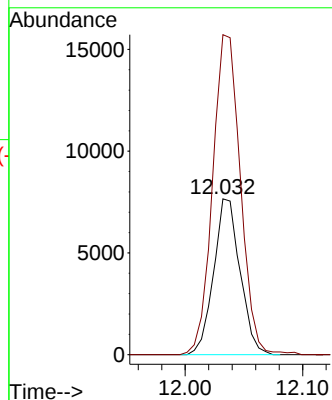
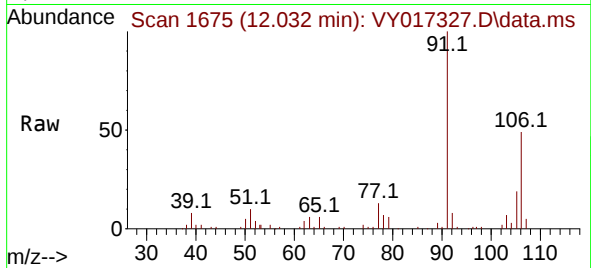
HD-01-020724RE

Tgt Ion:106 Resp: 11943

Ion Ratio Lower Upper

106 100

91 216.4 106.5 319.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VY017327.D

Acq: 08 Feb 2024 20:58

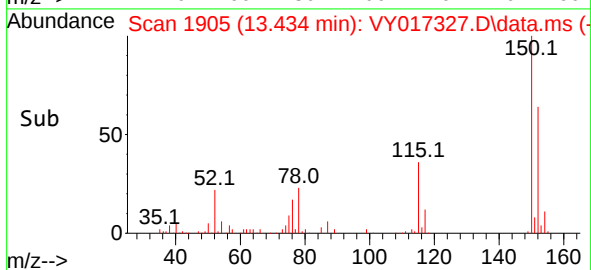
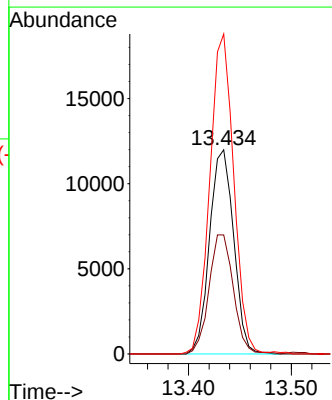
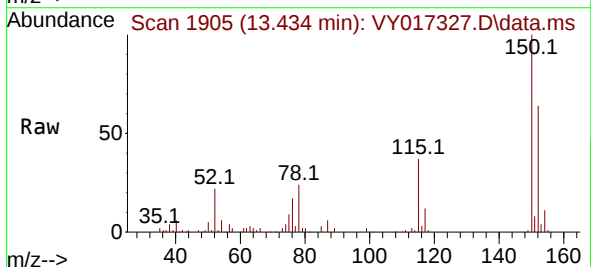
Tgt Ion:152 Resp: 19516

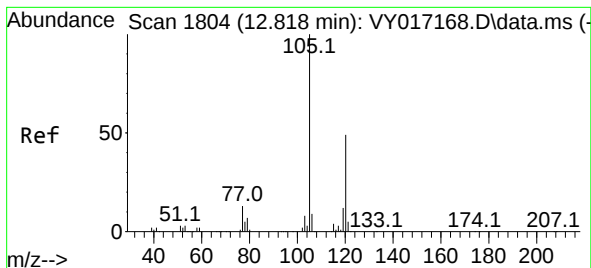
Ion Ratio Lower Upper

152 100

115 59.1 30.0 90.0

150 155.3 0.0 344.6





#80

1,3,5-Trimethylbenzene

Concen: 2.491 ug/l

RT: 12.819 min Scan# 1804

Delta R.T. 0.000 min

Lab File: VY017327.D

Acq: 08 Feb 2024 20:58

Instrument :

MSVOA\_Y

ClientSampleId :

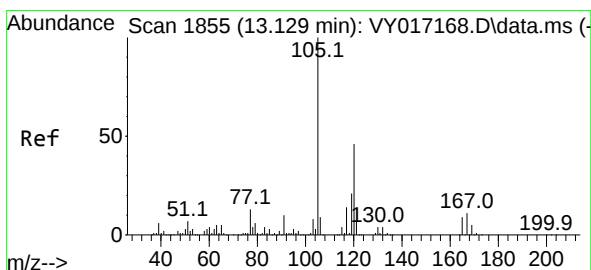
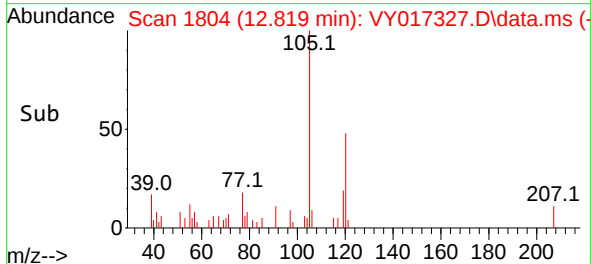
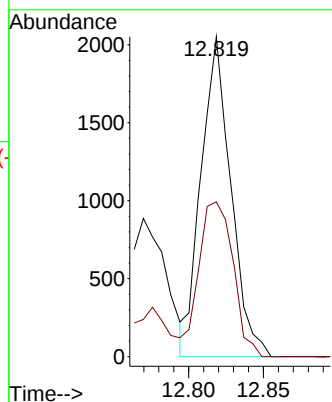
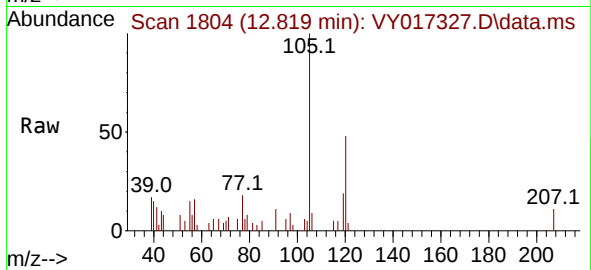
HD-01-020724RE

Tgt Ion:105 Resp: 2840

Ion Ratio Lower Upper

105 100

120 55.6 24.3 72.8



#84

1,2,4-Trimethylbenzene

Concen: 4.471 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.006 min

Lab File: VY017327.D

Acq: 08 Feb 2024 20:58

Tgt Ion:105 Resp: 5032

Ion Ratio Lower Upper

105 100

120 43.1 22.1 66.3

