

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101824\  
 Data File : VY019949.D  
 Acq On : 18 Oct 2024 13:37  
 Operator : SY/MD  
 Sample : P4431-01  
 Misc : 4.99g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 18 23:32:26 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

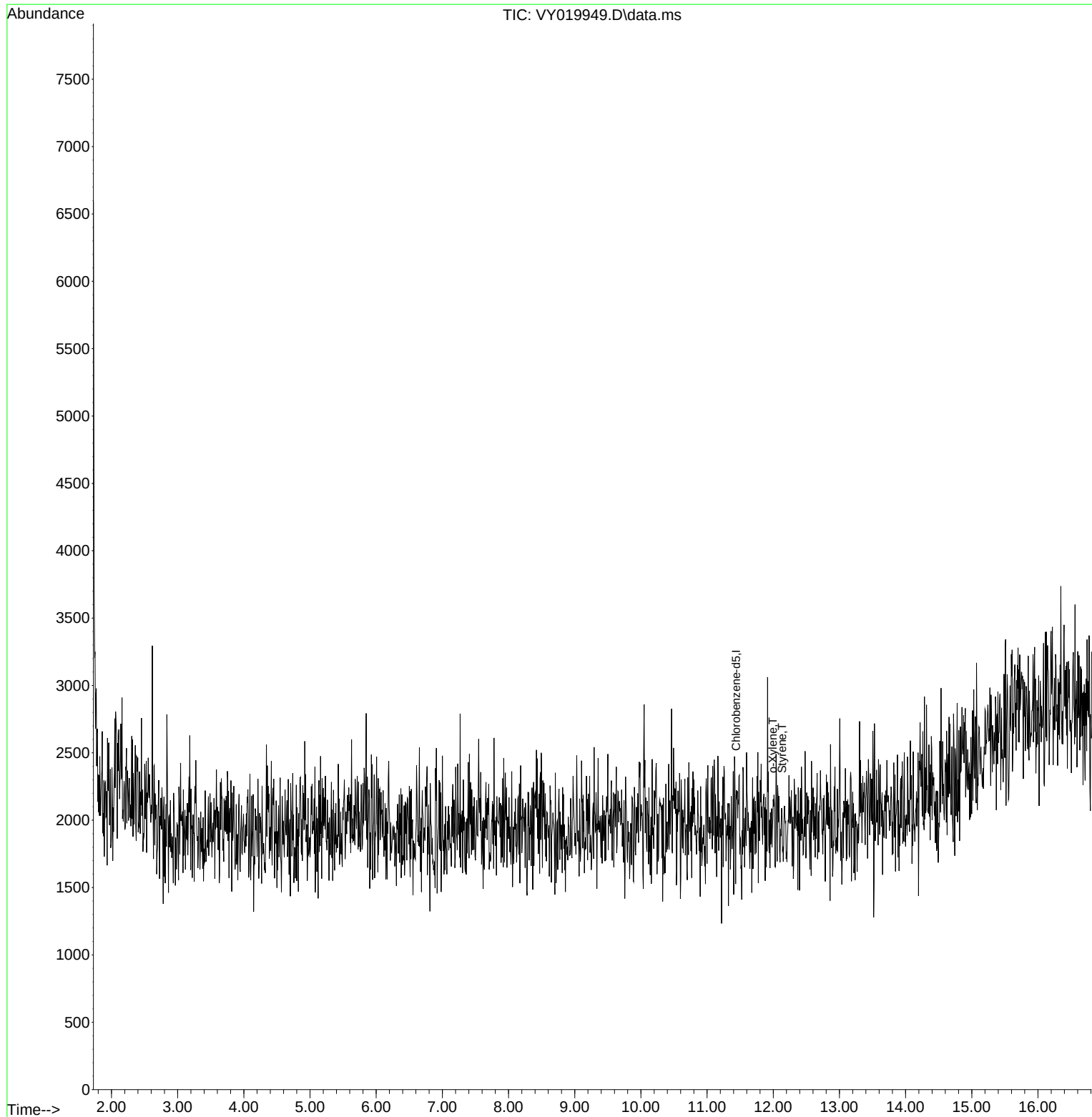
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 0.000  | 168   | 0        | 0.000    | ug/l   | -7.71    |
| 34) 1,4-Difluorobenzene     | 0.000  | 114   | 0        | 0.000    | ug/l   | -8.62    |
| 63) Chlorobenzene-d5        | 11.438 | 117   | 21       | 50.000   | ug/l   | # 0.02   |
| 72) 1,4-Dichlorobenzene-d4  | 0.000  | 152   | 0        | 0.000    | ug/l   | -13.35   |
|                             |        |       |          |          |        |          |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.085  | 65    | 44       | 0.000    | ug/l   | 0.02     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 0.000%#  |
| 35) Dibromofluoromethane    | 7.579  | 113   | 22       | 0.000    | ug/l   | -0.05    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 0.000%#  |
| 50) Toluene-d8              | 10.109 | 98    | 156      | 0.000    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 0.000%#  |
| 62) 4-Bromofluorobenzene    | 0.000  | 95    | 0        | 0.000    | ug/l   |          |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =      | 0.000%#  |
|                             |        |       |          |          |        |          |
| Target Compounds            |        |       |          |          |        |          |
| 69) o-Xylene                | 11.993 | 106   | 20       | 64.597   | ug/l # | 1        |
| 70) Styrene                 | 12.133 | 104   | 56       | 107.206  | ug/l # | 27       |
| -----                       |        |       |          |          |        |          |

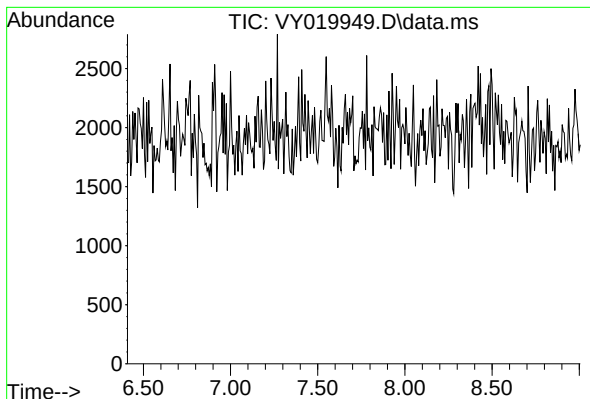
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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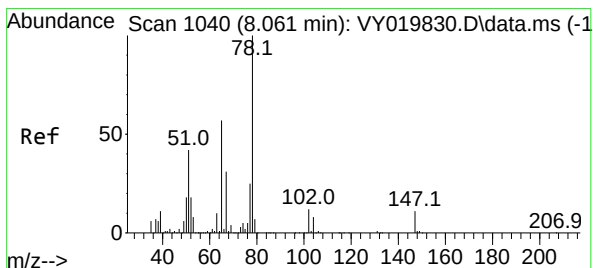
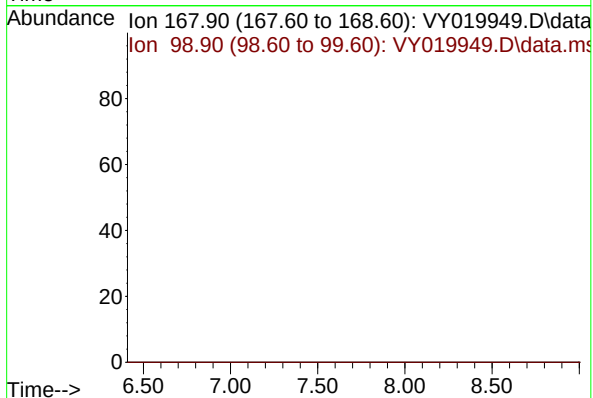




#1  
Pentafluorobenzene  
Concen: 0.000 ug/l  
Expected RT: 7.71 min  
  
Lab File: VY019949.D  
Acq: 18 Oct 2024 13:37

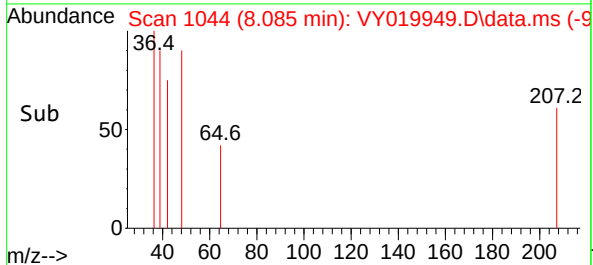
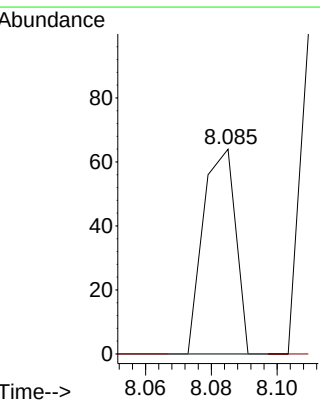
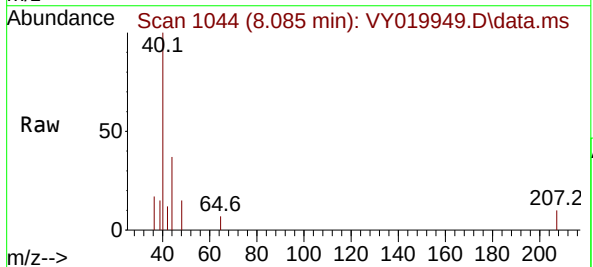
Instrument :  
MSVOA\_Y  
ClientSampleId :

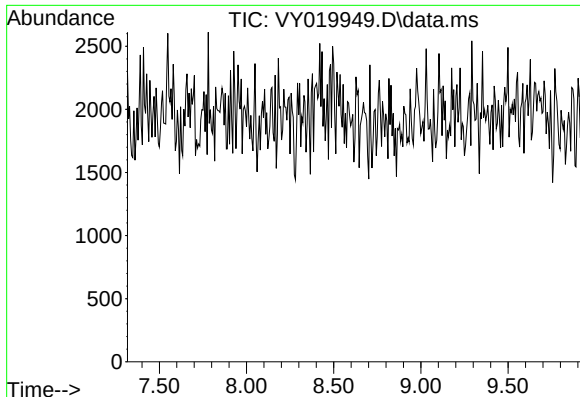
Tgt Ion: 168  
Sig Exp Ratio  
168 100  
99 48.9



#33  
1,2-Dichloroethane-d4  
Concen: 0.000 ug/l  
RT: 8.085 min Scan# 1044  
Delta R.T. 0.025 min  
Lab File: VY019949.D  
Acq: 18 Oct 2024 13:37

Tgt Ion: 65 Resp: 44  
Ion Ratio Lower Upper  
65 100  
67 0.0 0.0 109.6



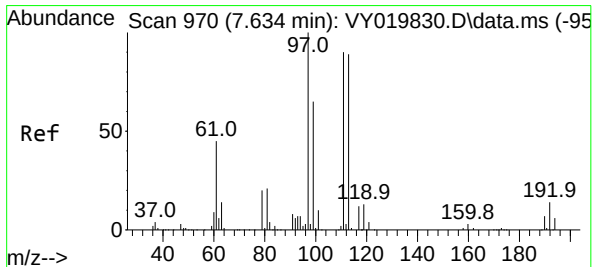
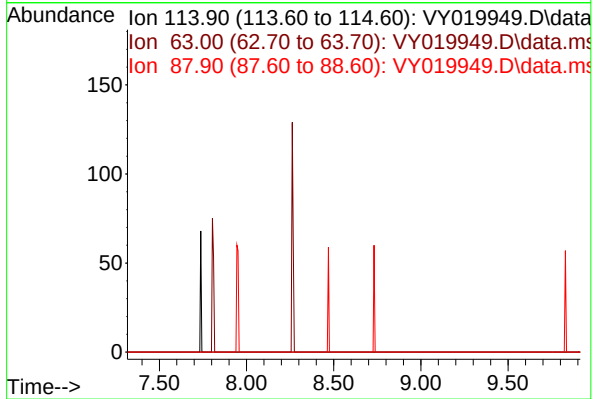


#34  
 1,4-Difluorobenzene  
 Concen: 0.000 ug/l  
 Expected RT: 8.62 min  
 Lab File: VY019949.D  
 Acq: 18 Oct 2024 13:37

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Tgt Ion: 114  

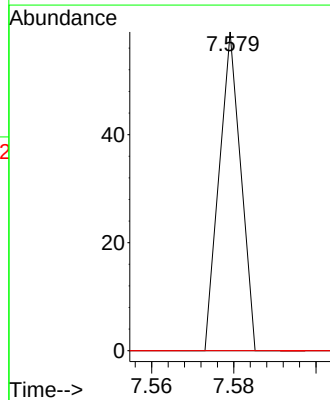
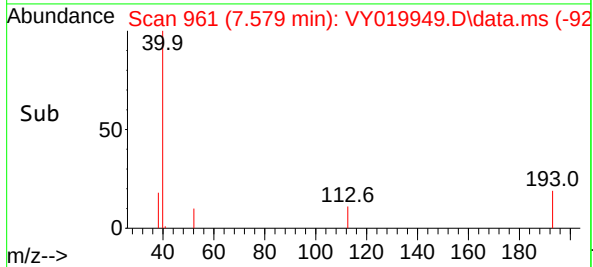
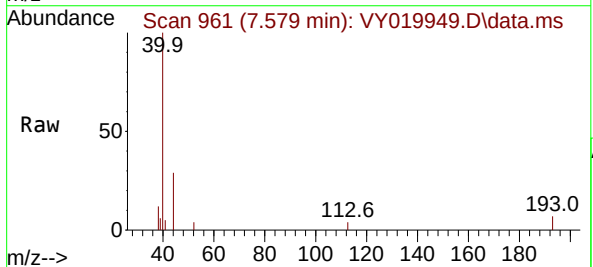
| Sig | Exp Ratio |
|-----|-----------|
| 114 | 100       |
| 63  | 17.5      |
| 88  | 13.6      |

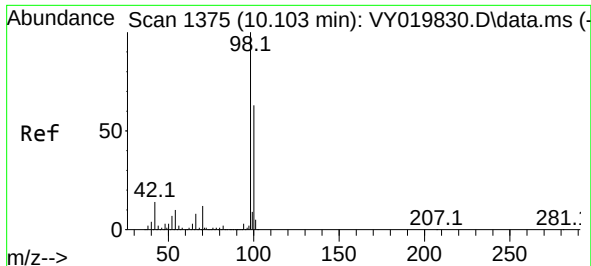


#35  
 Dibromofluoromethane  
 Concen: 0.000 ug/l  
 RT: 7.579 min Scan# 961  
 Delta R.T. -0.055 min  
 Lab File: VY019949.D  
 Acq: 18 Oct 2024 13:37

Tgt Ion: 113 Resp: 22  

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 113 | 100   |       |        |
| 111 | 0.0   | 82.2  | 123.4# |
| 192 | 0.0   | 15.9  | 23.9#  |

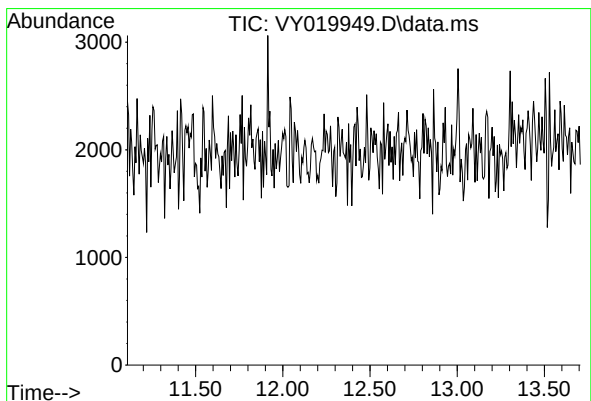
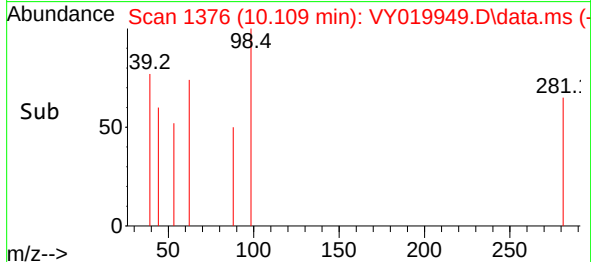
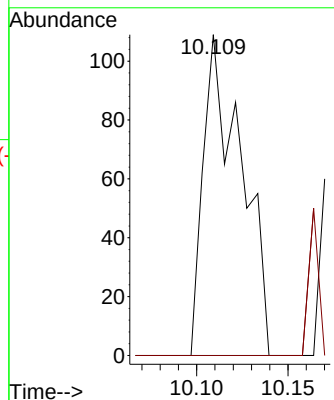
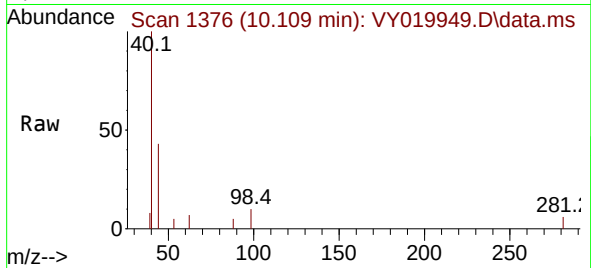




#50  
Toluene-d8  
Concen: 0.000 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY019949.D  
Acq: 18 Oct 2024 13:37

Instrument :  
MSVOA\_Y  
ClientSampleId :

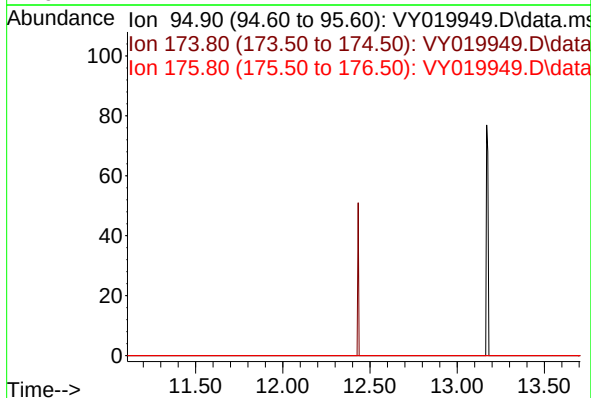
Tgt Ion: 98 Resp: 156  
Ion Ratio Lower Upper  
98 100  
100 0.0 52.0 78.0#

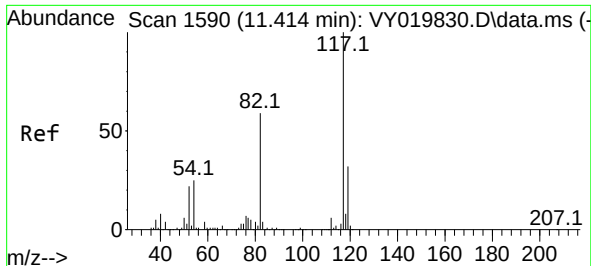


#62  
4-Bromofluorobenzene  
Concen: 0.000 ug/l  
Expected RT: 12.41 min

Lab File: VY019949.D  
Acq: 18 Oct 2024 13:37

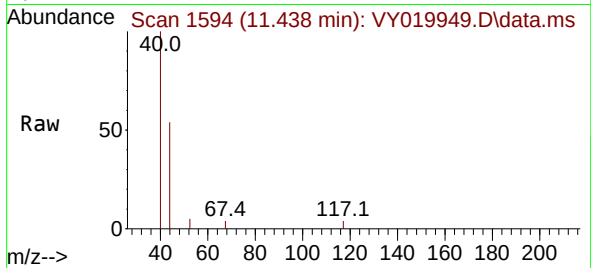
Tgt Ion: 95  
Sig Exp Ratio  
95 100  
174 87.8  
176 85.7



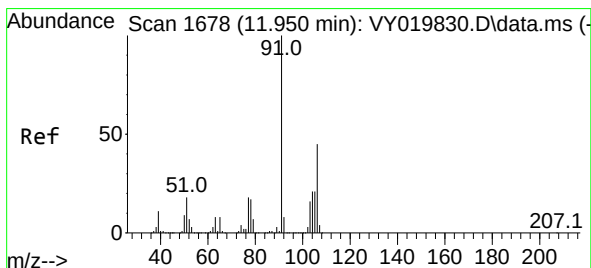
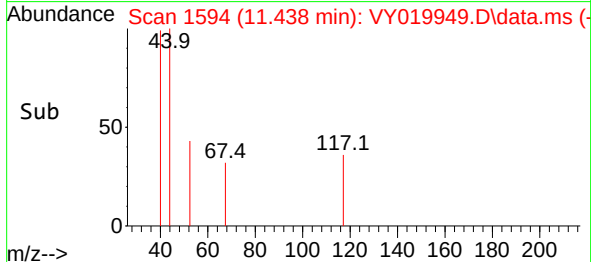
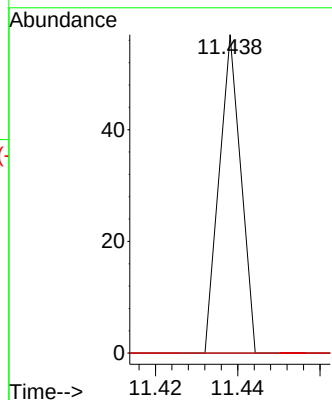


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.438 min Scan# 11  
Delta R.T. 0.018 min  
Lab File: VY019949.D  
Acq: 18 Oct 2024 13:37

Instrument :  
MSVOA\_Y  
ClientSampleId :

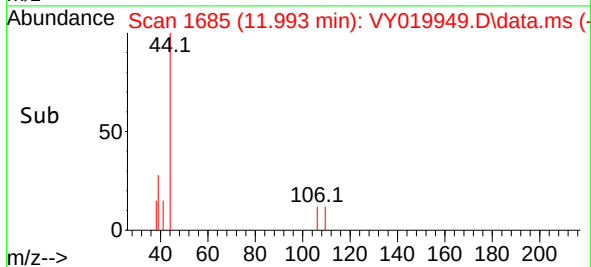
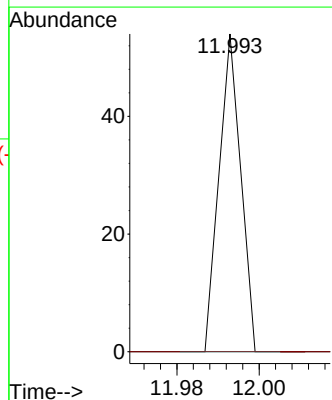
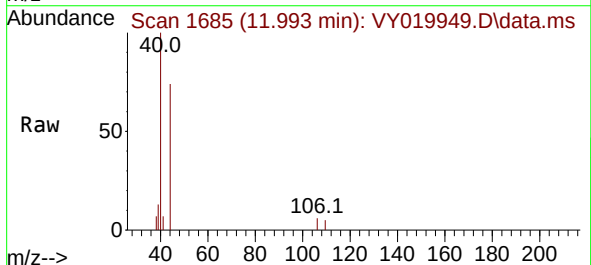


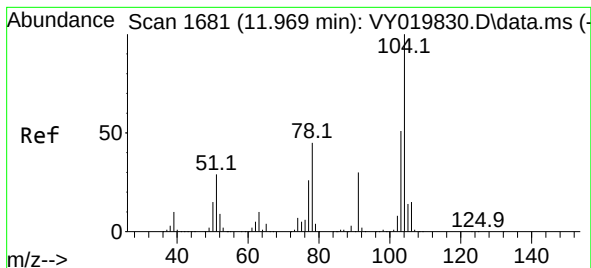
Tgt Ion:117 Resp: 21  
Ion Ratio Lower Upper  
117 100  
82 0.0 42.4 63.6#  
119 0.0 25.9 38.9#



#69  
o-Xylene  
Concen: 64.597 ug/l  
RT: 11.993 min Scan# 1685  
Delta R.T. 0.037 min  
Lab File: VY019949.D  
Acq: 18 Oct 2024 13:37

Tgt Ion:106 Resp: 20  
Ion Ratio Lower Upper  
106 100  
91 0.0 103.6 310.8#





#70

Styrene

Concen: 107.206 ug/l

RT: 12.133 min Scan# 1

Delta R.T. 0.165 min

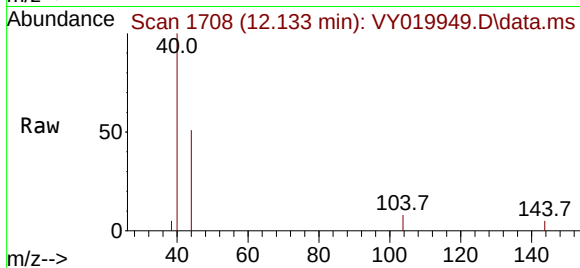
Lab File: VY019949.D

Acq: 18 Oct 2024 13:37

Instrument :

MSVOA\_Y

ClientSampleId :



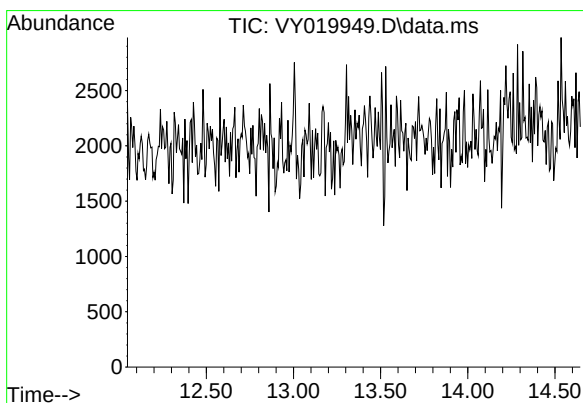
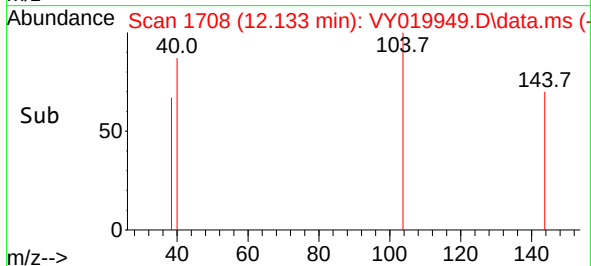
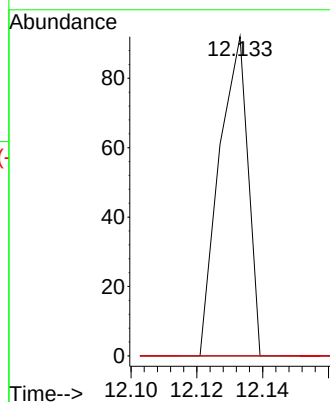
Tgt Ion:104 Resp: 56

Ion Ratio Lower Upper

104 100

78 0.0 37.0 55.4#

103 0.0 44.2 66.2#



#72

1,4-Dichlorobenzene-d4

Concen: 0.000 ug/l

Expected RT: 13.35 min

Lab File: VY019949.D

Acq: 18 Oct 2024 13:37

Tgt Ion: 152

Sig Exp Ratio

152 100

115 56.5

150 172.8

