

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030625\  
 Data File : VY021439.D  
 Acq On : 06 Mar 2025 16:59  
 Operator : SY/MD  
 Sample : Q1488-09  
 Misc : 5.71g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ENV-104-SB01

Quant Time: Mar 07 00:41:28 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030425S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 05 12:42:45 2025  
 Response via : Initial Calibration

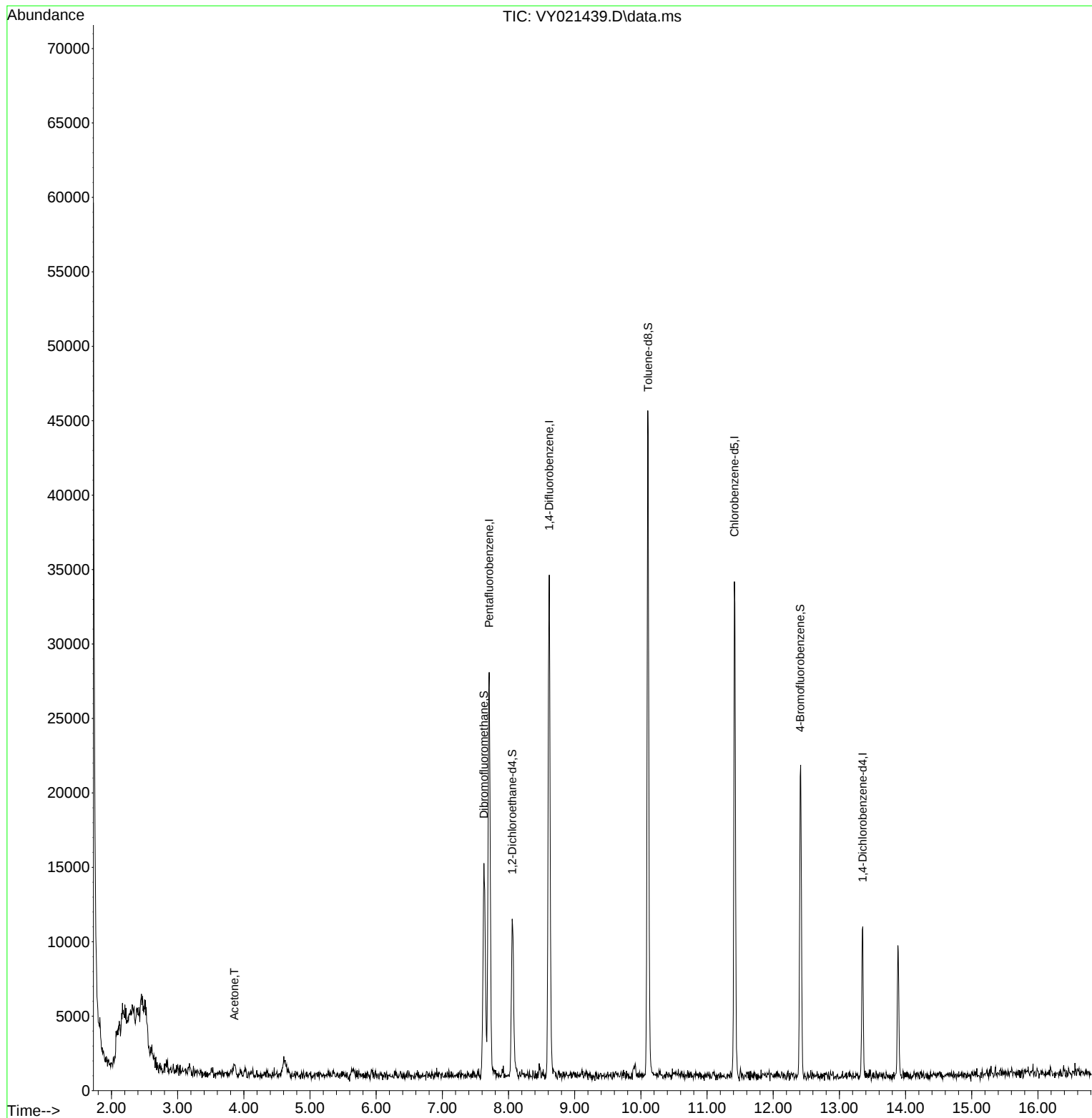
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)    |
|-----------------------------|--------|-------|----------|----------|-------|-------------|
| -----                       |        |       |          |          |       |             |
| Internal Standards          |        |       |          |          |       |             |
| 1) Pentafluorobenzene       | 7.707  | 168   | 19928    | 50.000   | ug/l  | 0.00        |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 27625    | 50.000   | ug/l  | 0.00        |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 16817    | 50.000   | ug/l  | 0.00        |
| 72) 1,4-Dichlorobenzene-d4  | 13.353 | 152   | 2501     | 50.000   | ug/l  | 0.00        |
|                             |        |       |          |          |       |             |
| System Monitoring Compounds |        |       |          |          |       |             |
| 33) 1,2-Dichloroethane-d4   | 8.055  | 65    | 9389     | 44.576   | ug/l  | -0.01       |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 89.160%     |
| 35) Dibromofluoromethane    | 7.628  | 113   | 10115    | 55.705   | ug/l  | -0.01       |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 111.400%    |
| 50) Toluene-d8              | 10.109 | 98    | 28853    | 41.966   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 83.940%     |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 4622     | 19.763   | ug/l  | 0.00        |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 39.520%     |
|                             |        |       |          |          |       |             |
| Target Compounds            |        |       |          |          |       |             |
| 16) Acetone                 | 3.854  | 43    | 1244     | 27.079   | ug/l  | Qvalue # 85 |
| -----                       |        |       |          |          |       |             |

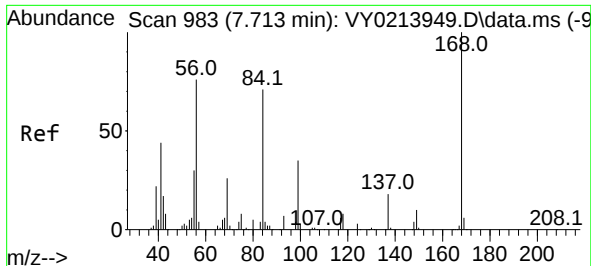
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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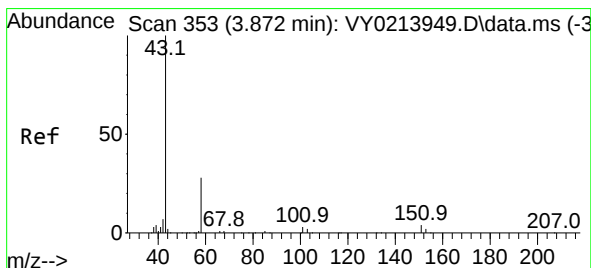
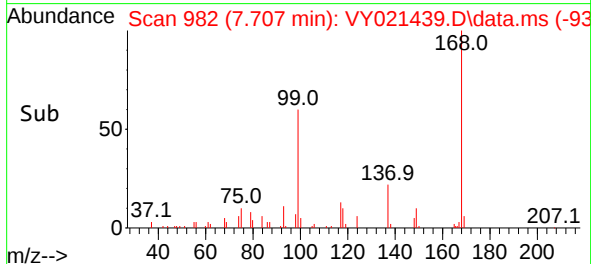
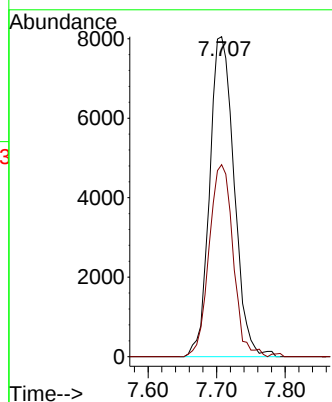
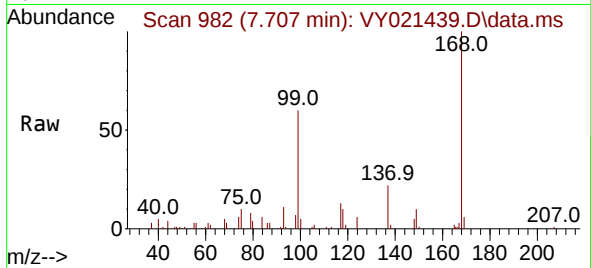




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY021439.D  
Acq: 06 Mar 2025 16:59

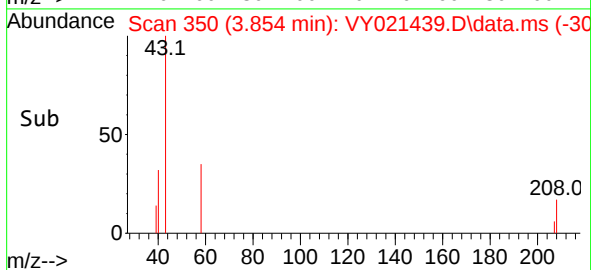
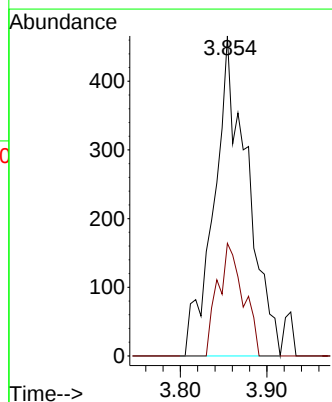
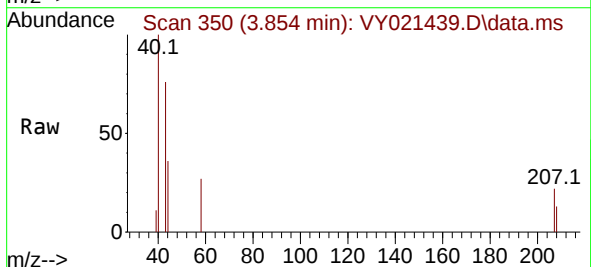
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ENV-104-SB01

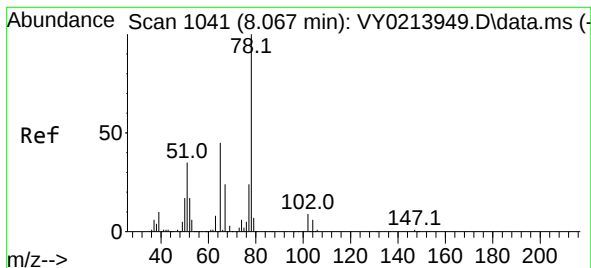
Tgt Ion:168 Resp: 19928  
Ion Ratio Lower Upper  
168 100  
99 60.0 46.0 69.0



#16  
Acetone  
Concen: 27.079 ug/l  
RT: 3.854 min Scan# 350  
Delta R.T. -0.018 min  
Lab File: VY021439.D  
Acq: 06 Mar 2025 16:59

Tgt Ion: 43 Resp: 1244  
Ion Ratio Lower Upper  
43 100  
58 35.2 22.1 33.1#





#33

1,2-Dichloroethane-d4

Concen: 44.576 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY021439.D

Acq: 06 Mar 2025 16:59

Instrument :

MSVOA\_Y

ClientSampleId :

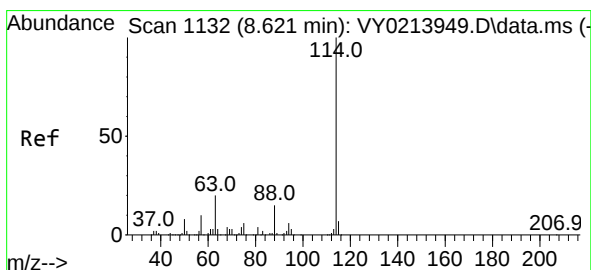
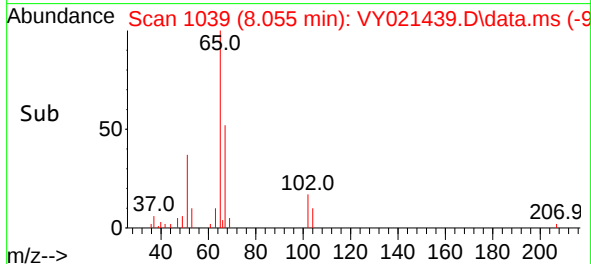
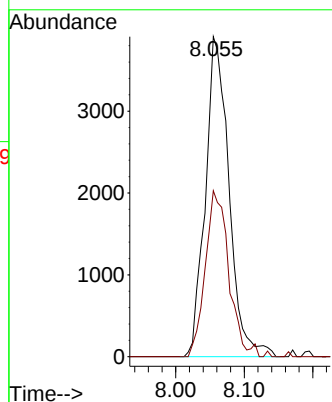
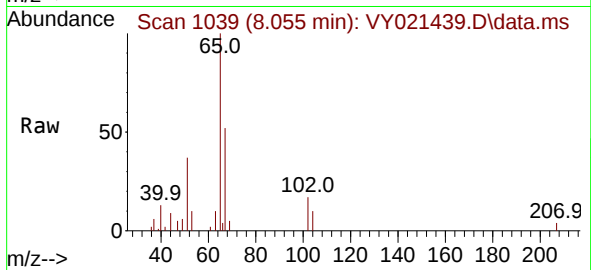
ENV-104-SB01

Tgt Ion: 65 Resp: 9389

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021439.D

Acq: 06 Mar 2025 16:59

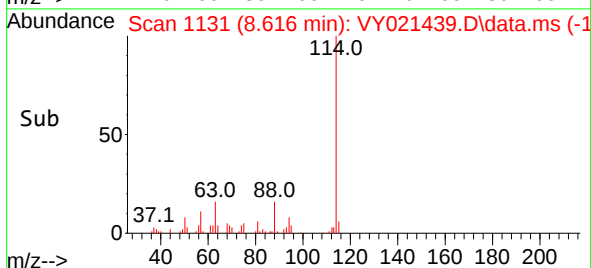
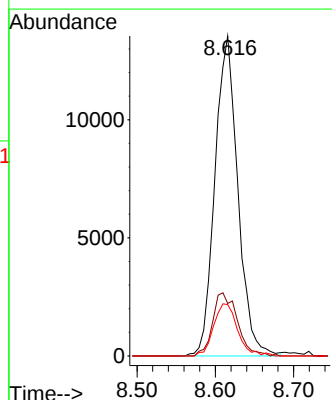
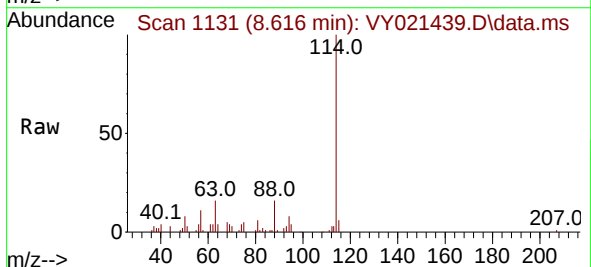
Tgt Ion: 114 Resp: 27625

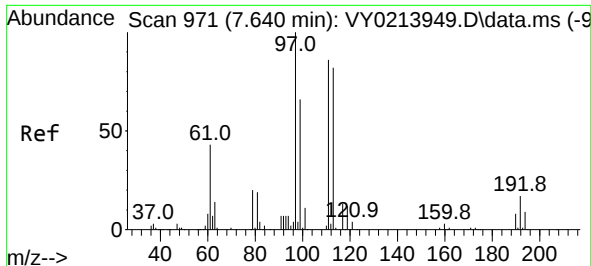
Ion Ratio Lower Upper

114 100

63 16.4 0.0 40.8

88 16.0 0.0 30.8





#35

Dibromofluoromethane

Concen: 55.705 ug/l

RT: 7.628 min Scan# 91

Delta R.T. -0.012 min

Lab File: VY021439.D

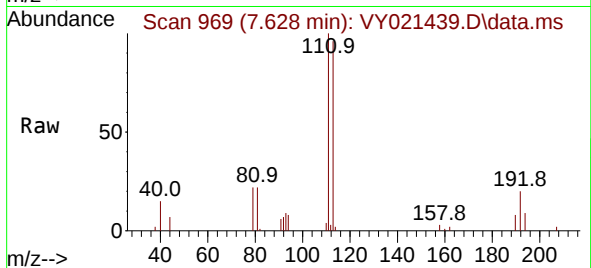
Acq: 06 Mar 2025 16:59

Instrument :

MSVOA\_Y

ClientSampleId :

ENV-104-SB01



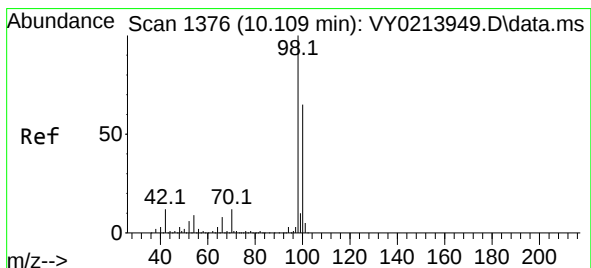
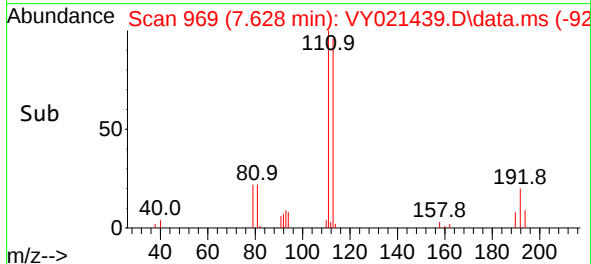
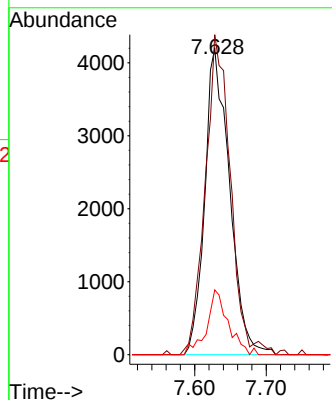
Tgt Ion:113 Resp: 10115

Ion Ratio Lower Upper

113 100

111 104.0 82.0 123.0

192 18.4 15.9 23.9



#50

Toluene-d8

Concen: 41.966 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021439.D

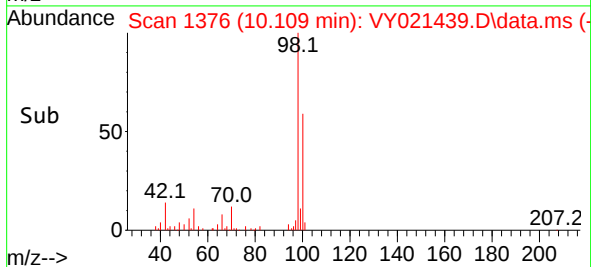
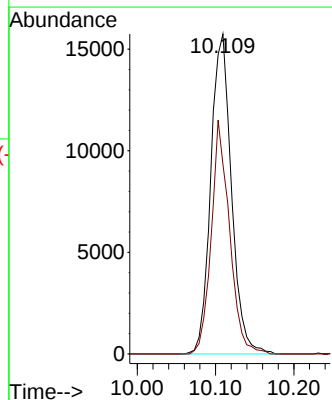
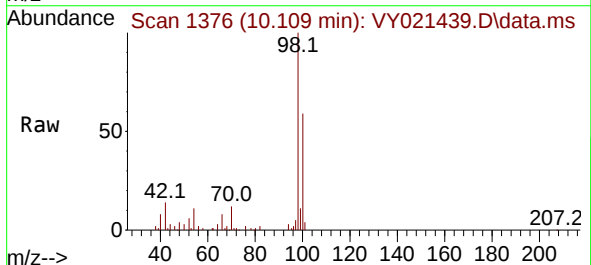
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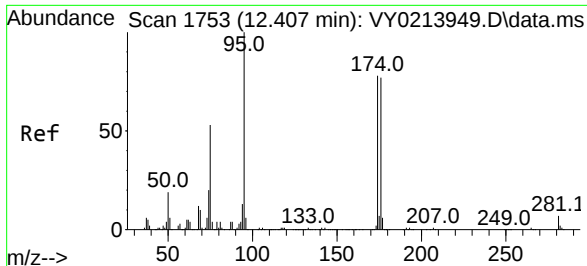
Tgt Ion: 98 Resp: 28853

Ion Ratio Lower Upper

98 100

100 64.5 52.1 78.1

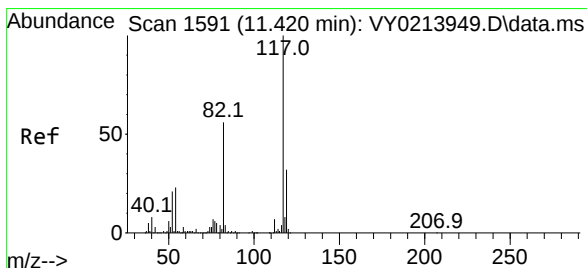
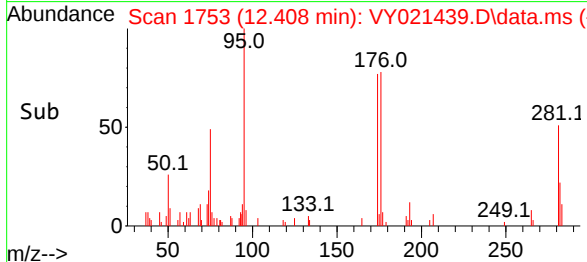
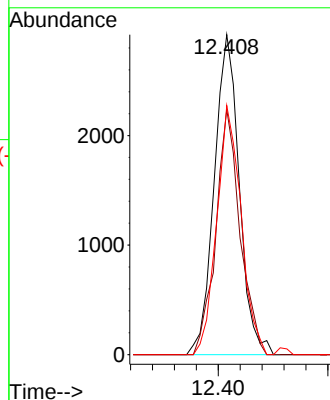
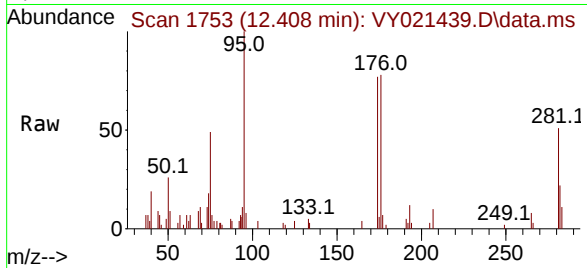




#62  
4-Bromofluorobenzene  
Concen: 19.763 ug/l  
RT: 12.408 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY021439.D  
Acq: 06 Mar 2025 16:59

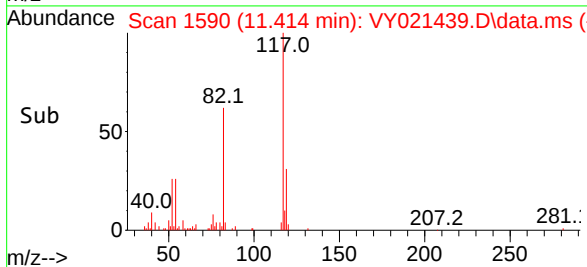
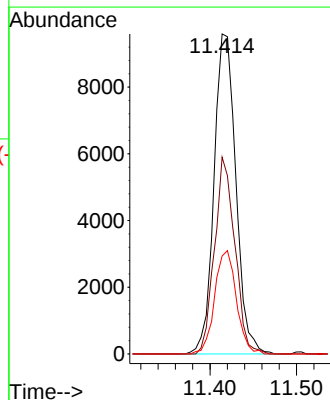
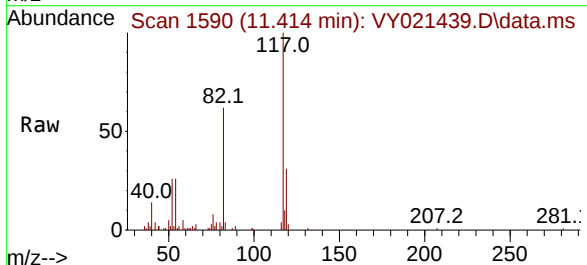
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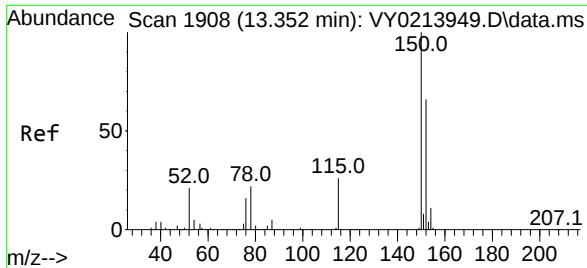
Tgt Ion: 95 Resp: 4622  
Ion Ratio Lower Upper  
95 100  
174 74.4 0.0 165.0  
176 75.9 0.0 160.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. -0.006 min  
Lab File: VY021439.D  
Acq: 06 Mar 2025 16:59

Tgt Ion: 117 Resp: 16817  
Ion Ratio Lower Upper  
117 100  
82 61.5 44.6 67.0  
119 30.6 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY021439.D

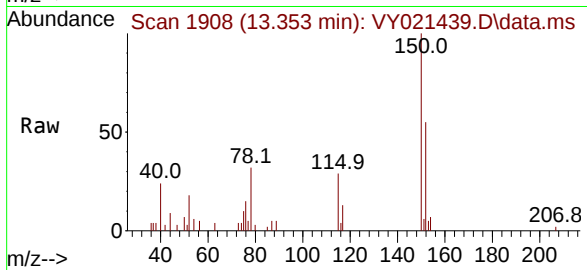
Acq: 06 Mar 2025 16:59

Instrument :

MSVOA\_Y

ClientSampleId :

ENV-104-SB01



Tgt Ion:152 Resp: 2501

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 56.7  | 29.0  | 87.0  |
| 150 | 159.3 | 0.0   | 347.2 |

