

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100424\  
 Data File : VY019803.D  
 Acq On : 04 Oct 2024 16:27  
 Operator : SY/MD  
 Sample : P4288-01  
 Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 HR-02-100324

Quant Time: Oct 04 23:34:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090924S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 09 16:00:30 2024  
 Response via : Initial Calibration

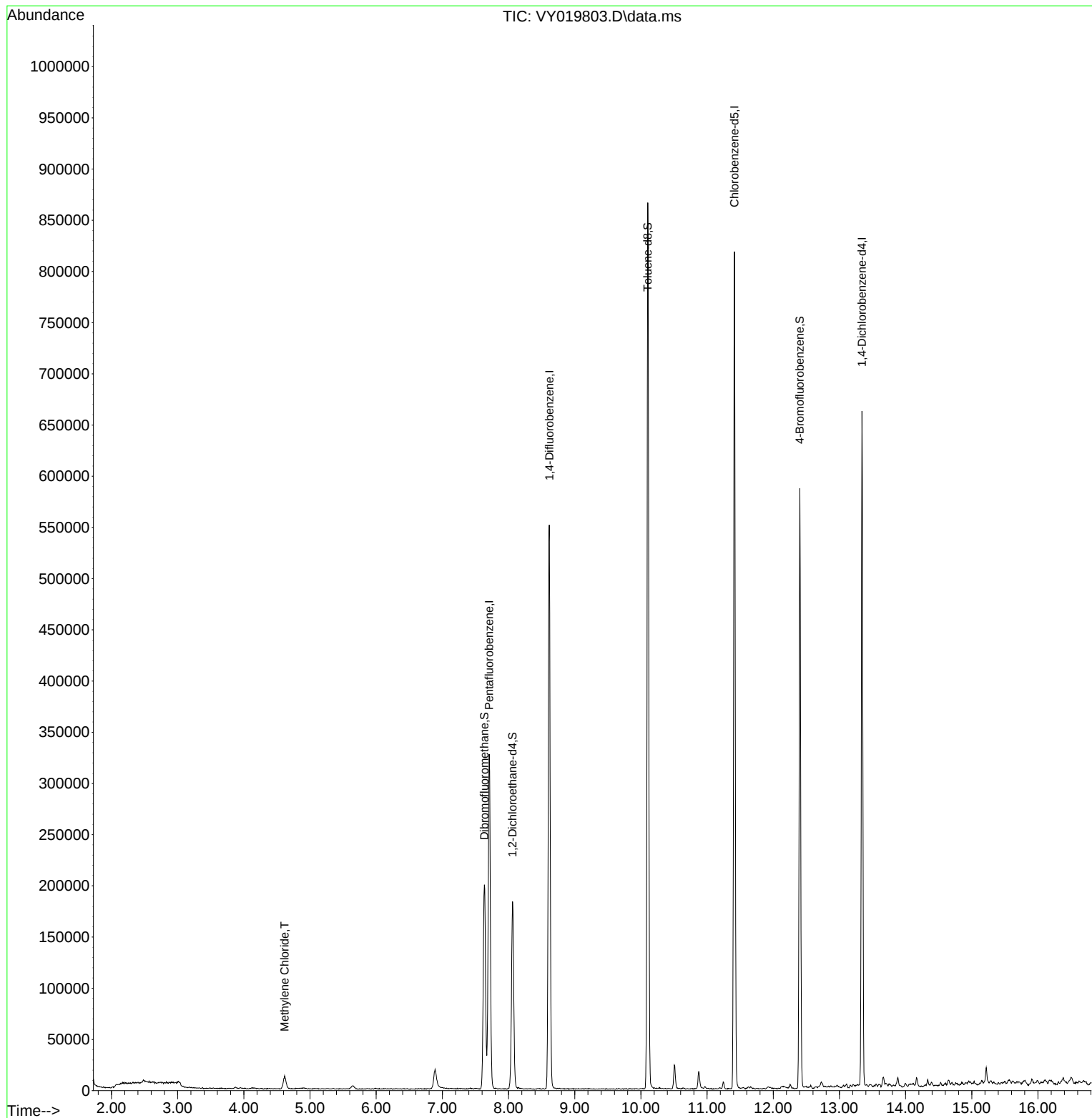
| Compound                    | R.T. QIon |       | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|-----------|-------|----------|----------|-------|-----------|
| -----                       |           |       |          |          |       |           |
| Internal Standards          |           |       |          |          |       |           |
| 1) Pentafluorobenzene       | 7.707     | 168   | 234802   | 50.000   | ug/l  | # 0.00    |
| 34) 1,4-Difluorobenzene     | 8.616     | 114   | 457529   | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.414    | 117   | 409935   | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.340    | 152   | 152102   | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |           |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.061     | 65    | 143721   | 66.103   | ug/l  | 0.00      |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | =     | 132.200%  |
| 35) Dibromofluoromethane    | 7.634     | 113   | 144354   | 55.647   | ug/l  | 0.00      |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | =     | 111.300%  |
| 50) Toluene-d8              | 10.103    | 98    | 549009   | 57.218   | ug/l  | 0.00      |
| Spiked Amount               | 50.000    | Range | 58 - 134 | Recovery | =     | 114.440%  |
| 62) 4-Bromofluorobenzene    | 12.401    | 95    | 174642   | 47.337   | ug/l  | 0.00      |
| Spiked Amount               | 50.000    | Range | 29 - 146 | Recovery | =     | 94.680%   |
| Target Compounds            |           |       |          |          |       |           |
| 20) Methylene Chloride      | 4.616     | 84    | 8337     | 3.529    | ug/l  | Qvalue 90 |
| -----                       |           |       |          |          |       |           |

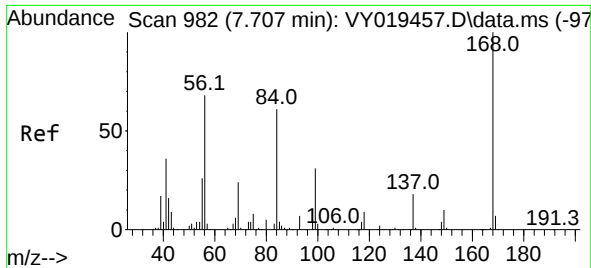
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
ClientSampleId :  
HR-02-100324

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Quant Title : SW846 8260  
QLast Update : Mon Sep 09 16:00:30 2024  
Response via : Initial Calibration

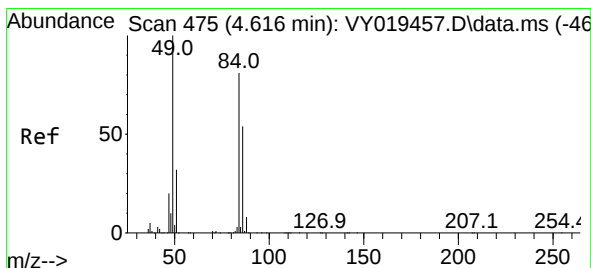
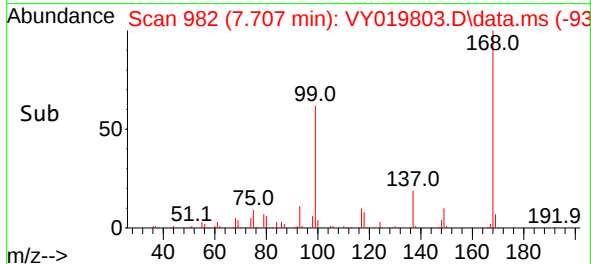
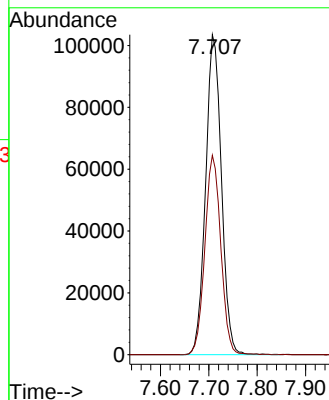
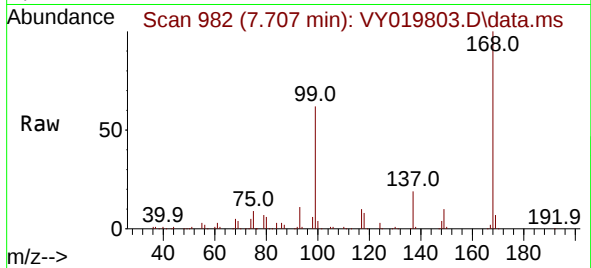




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY019803.D  
Acq: 04 Oct 2024 16:27

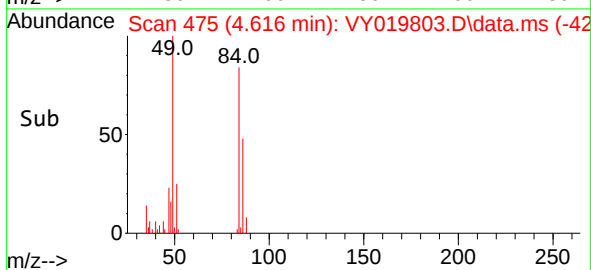
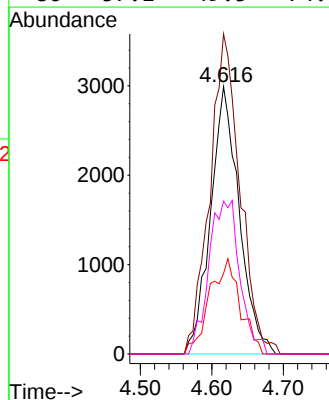
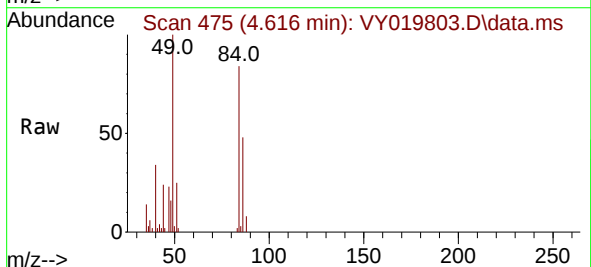
Instrument :  
MSVOA\_Y  
ClientSampleId :  
HR-02-100324

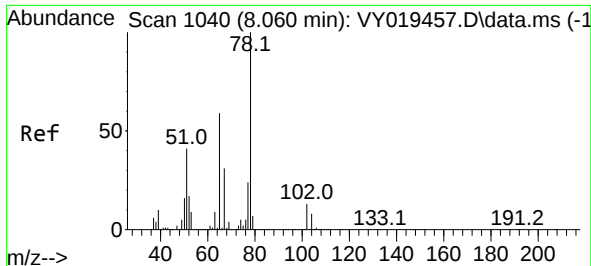
Tgt Ion:168 Resp: 234802  
Ion Ratio Lower Upper  
168 100  
99 62.3 39.1 58.7#



#20  
Methylene Chloride  
Concen: 3.529 ug/l  
RT: 4.616 min Scan# 475  
Delta R.T. 0.000 min  
Lab File: VY019803.D  
Acq: 04 Oct 2024 16:27

Tgt Ion: 84 Resp: 8337  
Ion Ratio Lower Upper  
84 100  
49 119.7 84.4 126.6  
51 30.1 26.0 39.0  
86 57.1 49.5 74.3





#33

1,2-Dichloroethane-d4

Concen: 66.103 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY019803.D

Acq: 04 Oct 2024 16:27

Instrument :

MSVOA\_Y

ClientSampleId :

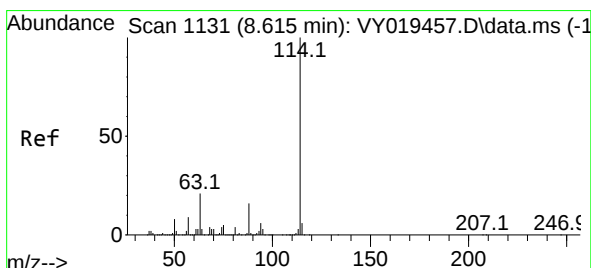
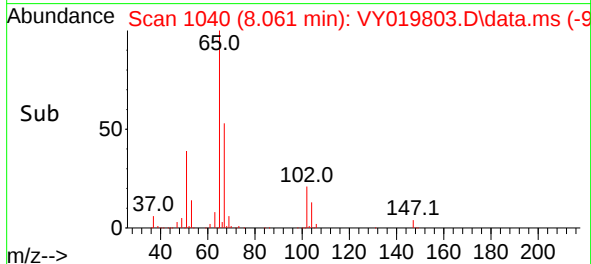
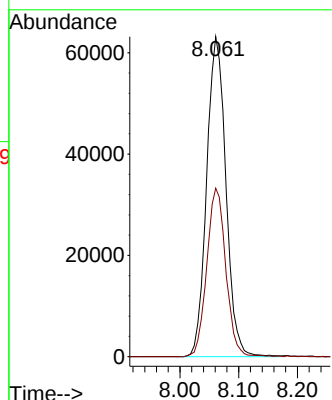
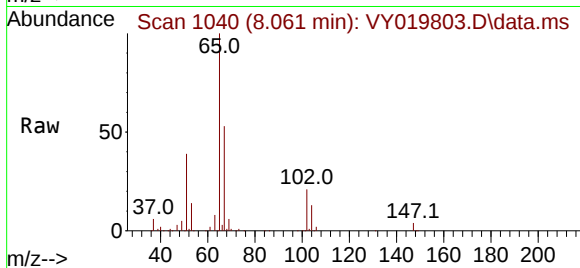
HR-02-100324

Tgt Ion: 65 Resp: 143721

Ion Ratio Lower Upper

65 100

67 52.0 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: VY019803.D

Acq: 04 Oct 2024 16:27

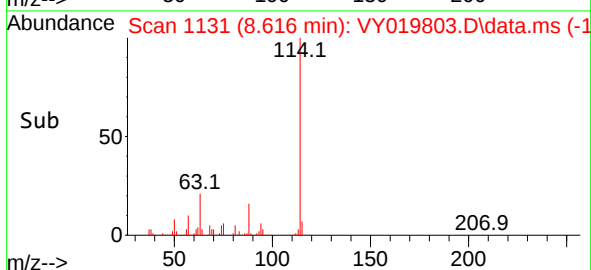
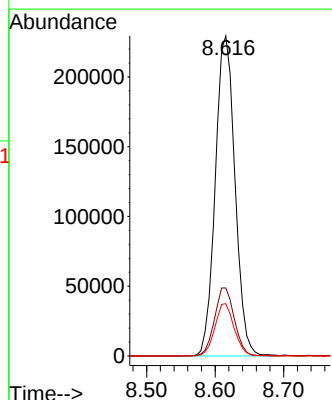
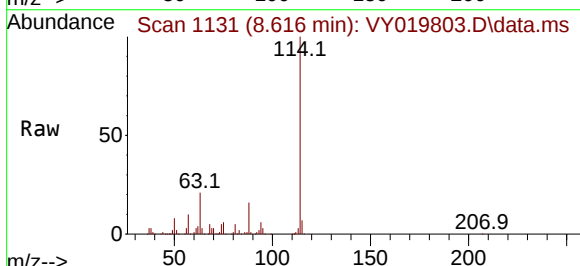
Tgt Ion: 114 Resp: 457529

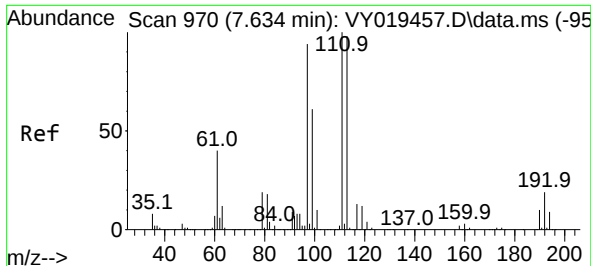
Ion Ratio Lower Upper

114 100

63 21.3 0.0 35.0

88 16.3 0.0 27.2

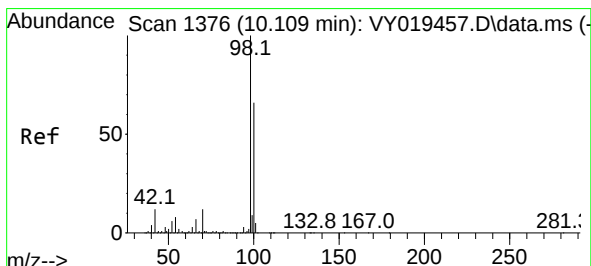
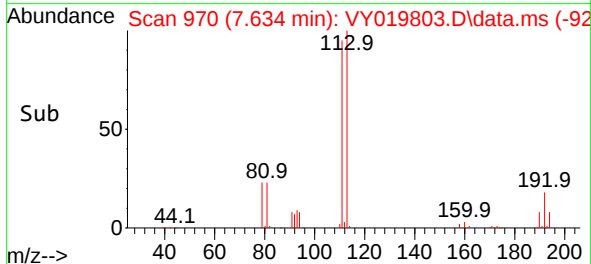
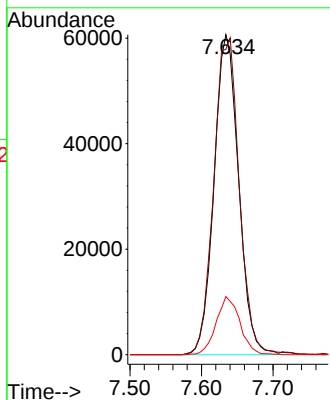
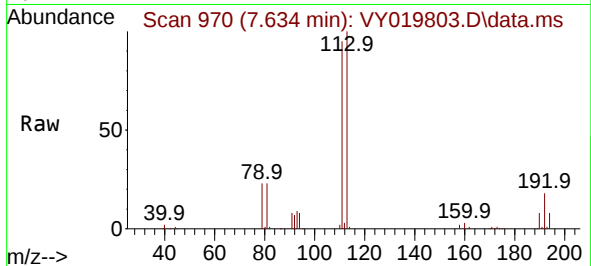




#35  
 Dibromofluoromethane  
 Concen: 55.647 ug/l  
 RT: 7.634 min Scan# 91  
 Delta R.T. 0.000 min  
 Lab File: VY019803.D  
 Acq: 04 Oct 2024 16:27

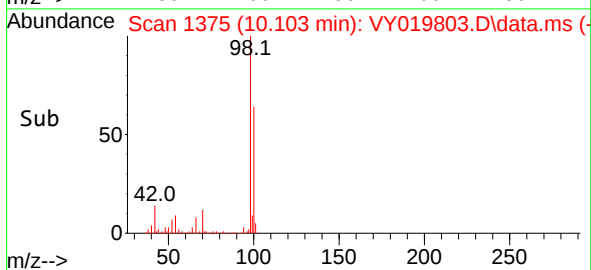
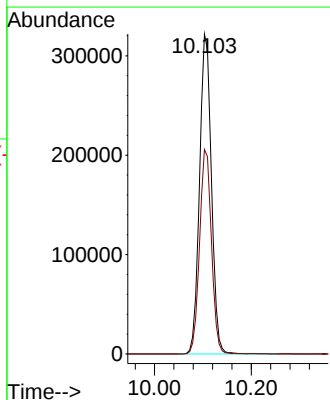
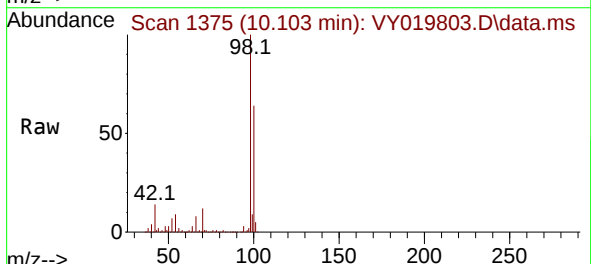
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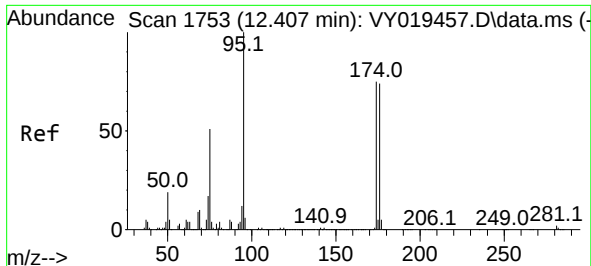
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 144354 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 103.1 | 82.2  | 123.4  |
| 192      | 17.6  | 15.9  | 23.9   |



#50  
 Toluene-d8  
 Concen: 57.218 ug/l  
 RT: 10.103 min Scan# 1375  
 Delta R.T. -0.006 min  
 Lab File: VY019803.D  
 Acq: 04 Oct 2024 16:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 549009 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 63.8  | 52.0  | 78.0   |

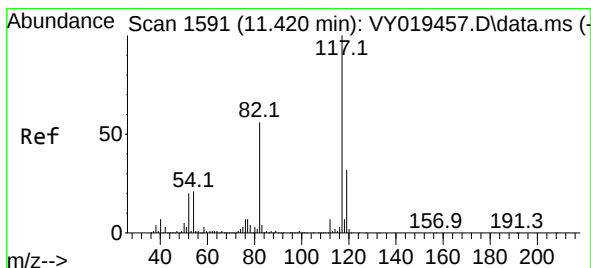
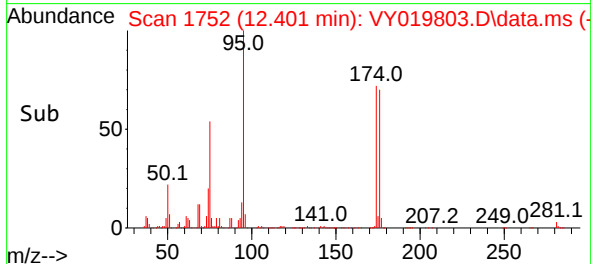
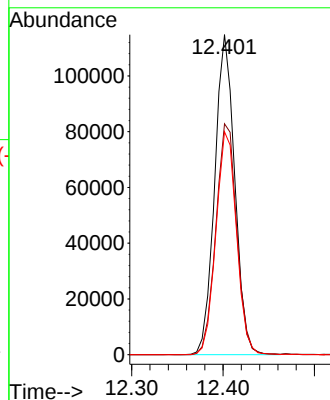
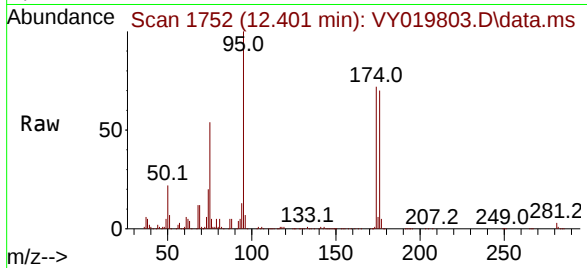




#62  
4-Bromofluorobenzene  
Concen: 47.337 ug/l  
RT: 12.401 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY019803.D  
Acq: 04 Oct 2024 16:27

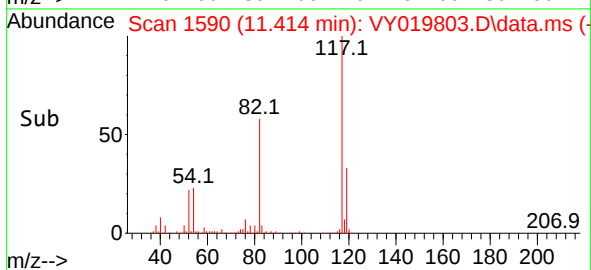
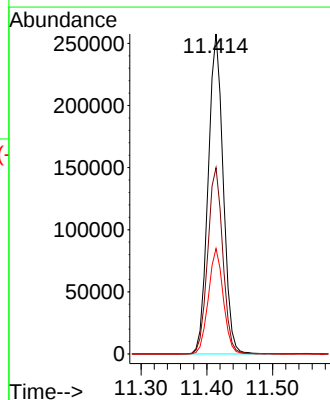
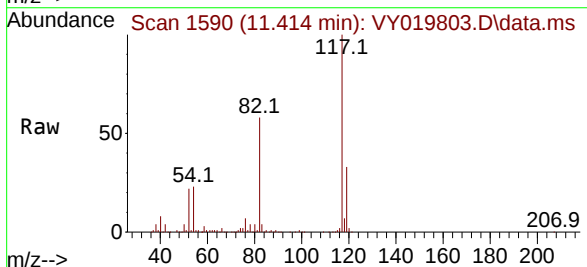
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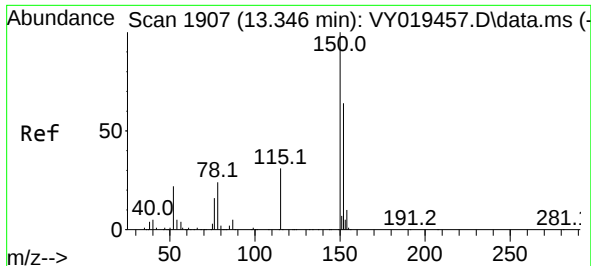
Tgt Ion: 95 Resp: 174642  
Ion Ratio Lower Upper  
95 100  
174 75.4 0.0 175.6  
176 71.6 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. -0.006 min  
Lab File: VY019803.D  
Acq: 04 Oct 2024 16:27

Tgt Ion: 117 Resp: 409935  
Ion Ratio Lower Upper  
117 100  
82 58.2 42.4 63.6  
119 32.9 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY019803.D

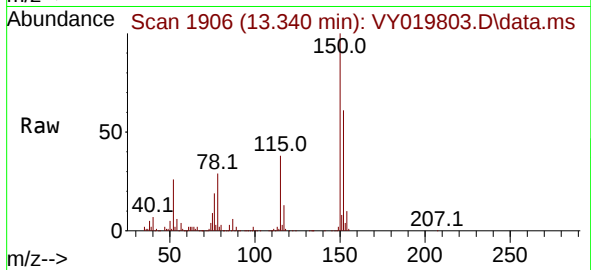
Acq: 04 Oct 2024 16:27

Instrument :

MSVOA\_Y

ClientSampleId :

HR-02-100324



Tgt Ion:152 Resp: 152102

Ion Ratio Lower Upper

152 100

115 62.0 28.2 84.7

150 160.5 0.0 345.6

