

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022124\  
 Data File : VY017436.D  
 Acq On : 21 Feb 2024 14:31  
 Operator : SY/MD  
 Sample : P1537-03  
 Misc : 5.55g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 3

Quant Time: Feb 22 03:25:56 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y021924S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 20 06:16:24 2024  
 Response via : Initial Calibration

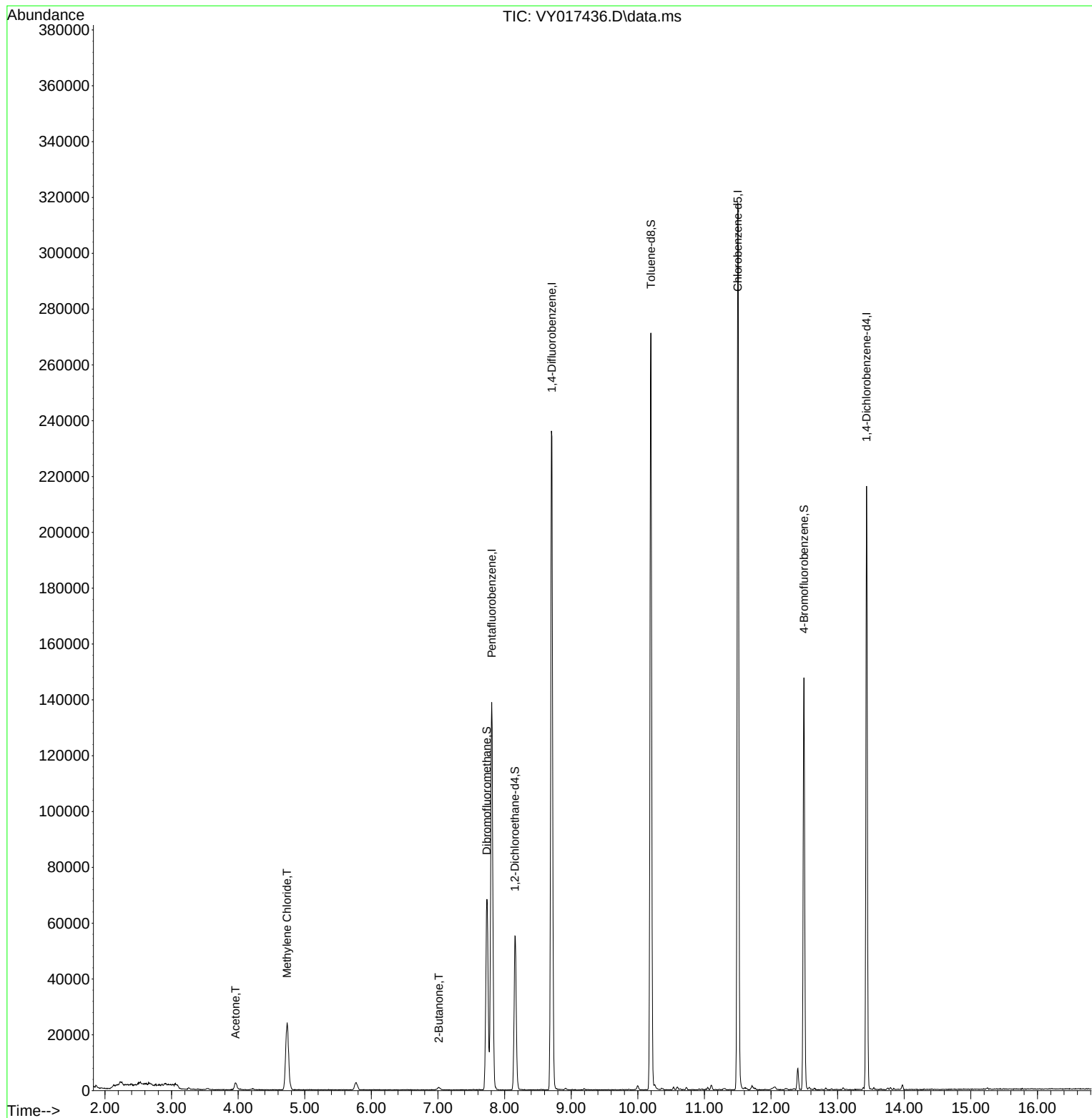
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.807  | 168   | 112994   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.709  | 114   | 213048   | 50.000   | ug/l   | 0.01     |
| 63) Chlorobenzene-d5        | 11.502 | 117   | 181856   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.434 | 152   | 56212    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.155  | 65    | 42162    | 43.678   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 87.360%  |
| 35) Dibromofluoromethane    | 7.734  | 113   | 50840    | 40.766   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 81.540%  |
| 50) Toluene-d8              | 10.197 | 98    | 181901   | 37.608   | ug/l   | 0.01     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 75.220%  |
| 62) 4-Bromofluorobenzene    | 12.495 | 95    | 44010    | 28.068   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 56.140%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 3.960  | 43    | 4861     | 23.252   | ug/l # | 76       |
| 20) Methylene Chloride      | 4.734  | 84    | 19400    | 10.289   | ug/l   | 96       |
| 25) 2-Butanone              | 7.015  | 43    | 1352     | 4.607    | ug/l # | 81       |
| -----                       |        |       |          |          |        |          |

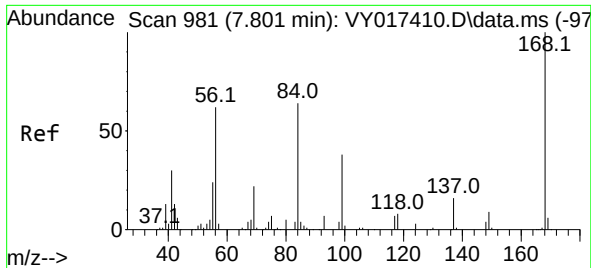
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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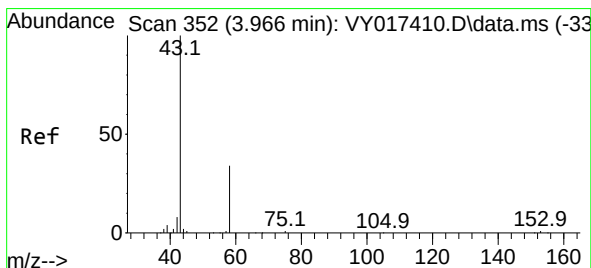
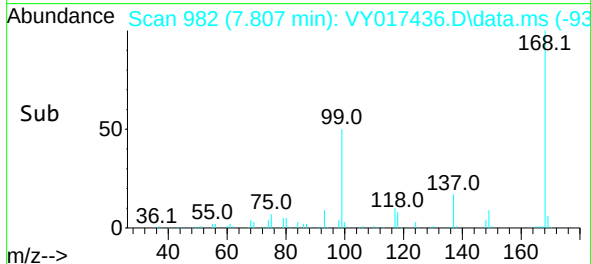
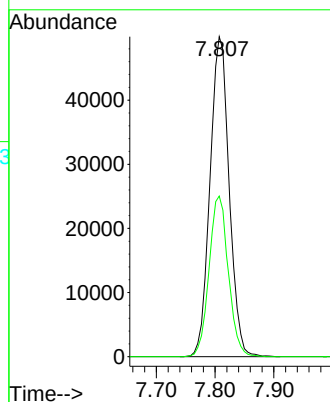
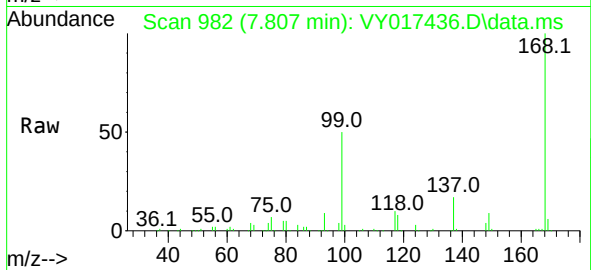




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.807 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY017436.D  
Acq: 21 Feb 2024 14:31

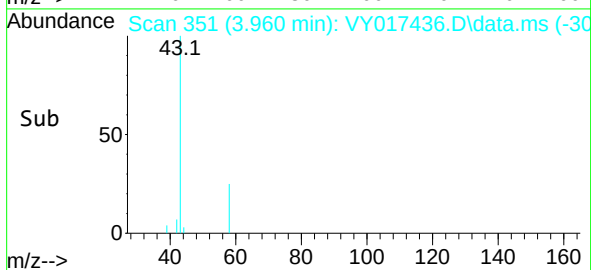
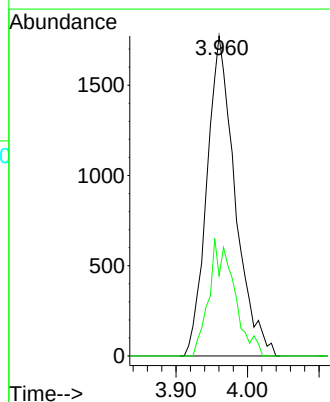
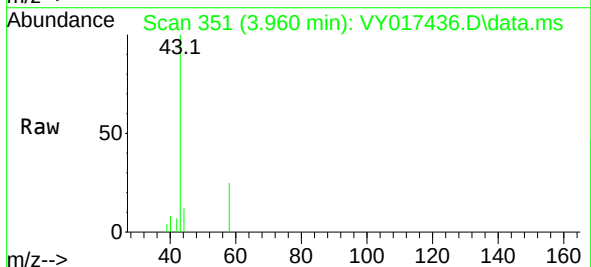
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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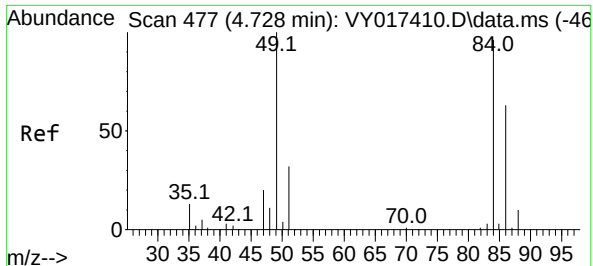
Tgt Ion:168 Resp: 112994  
Ion Ratio Lower Upper  
168 100  
99 50.2 39.1 58.7



#16  
Acetone  
Concen: 23.252 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. -0.006 min  
Lab File: VY017436.D  
Acq: 21 Feb 2024 14:31

Tgt Ion: 43 Resp: 4861  
Ion Ratio Lower Upper  
43 100  
58 25.1 31.7 47.5#

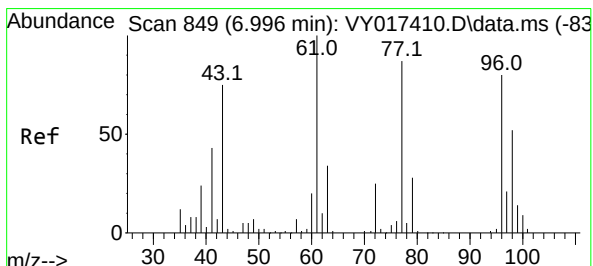
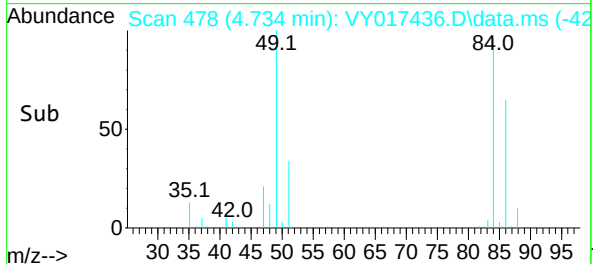
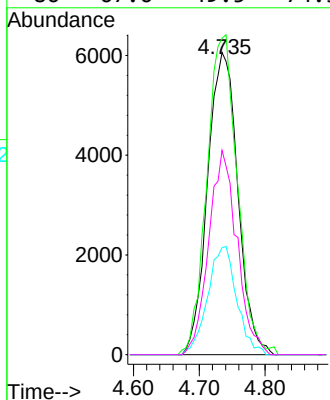
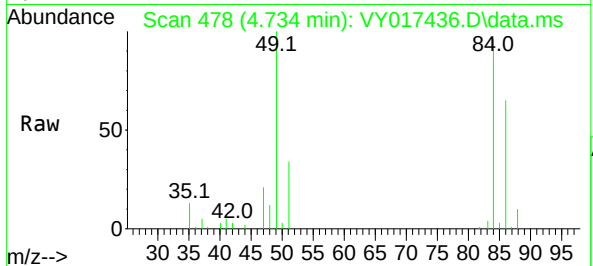




#20  
Methylene Chloride  
Concen: 10.289 ug/l  
RT: 4.734 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VY017436.D  
Acq: 21 Feb 2024 14:31

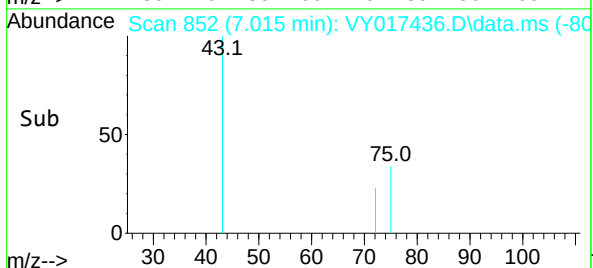
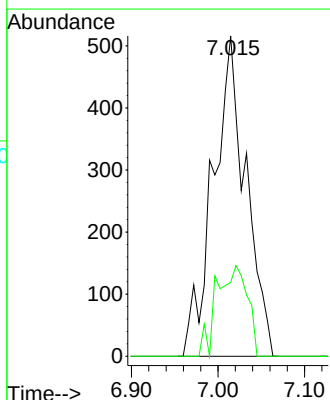
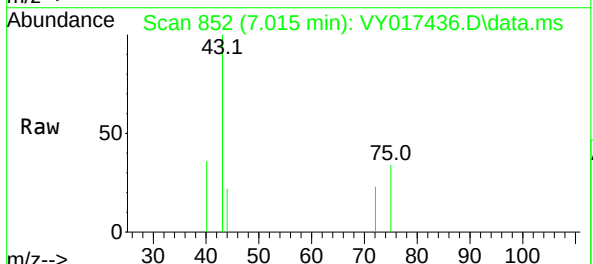
Instrument :  
MSVOA\_Y  
ClientSampleId :  
3

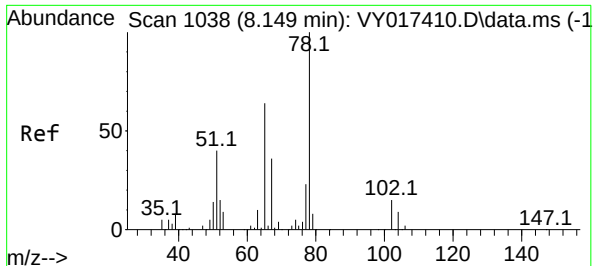
Tgt Ion: 84 Resp: 19400  
Ion Ratio Lower Upper  
84 100  
49 104.7 84.4 126.6  
51 35.4 26.0 39.0  
86 67.6 49.5 74.3



#25  
2-Butanone  
Concen: 4.607 ug/l  
RT: 7.015 min Scan# 852  
Delta R.T. 0.018 min  
Lab File: VY017436.D  
Acq: 21 Feb 2024 14:31

Tgt Ion: 43 Resp: 1352  
Ion Ratio Lower Upper  
43 100  
72 23.1 27.3 40.9#





#33

1,2-Dichloroethane-d4

Concen: 43.678 ug/l

RT: 8.155 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY017436.D

Acq: 21 Feb 2024 14:31

Instrument :

MSVOA\_Y

ClientSampleId :

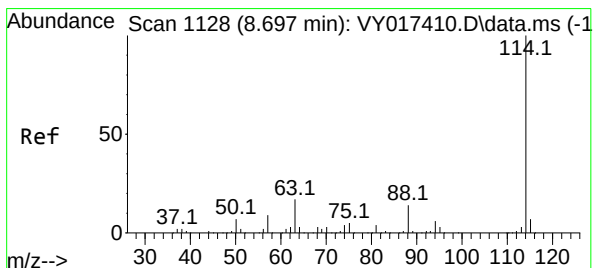
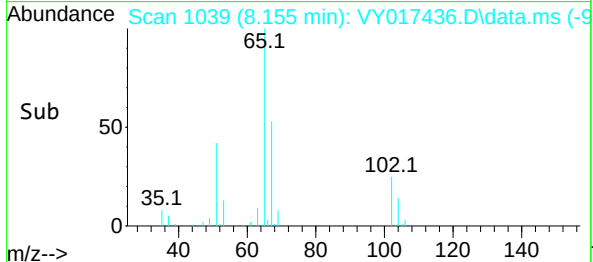
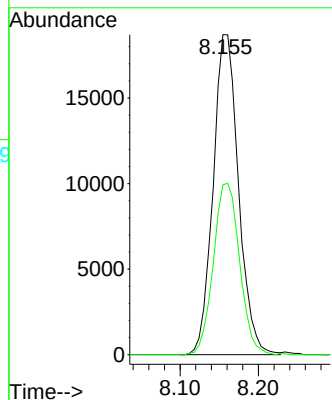
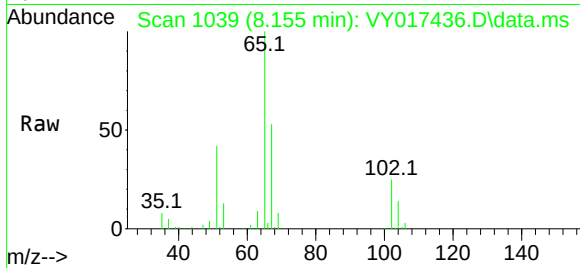
3

Tgt Ion: 65 Resp: 42162

Ion Ratio Lower Upper

65 100

67 55.1 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.709 min Scan# 1130

Delta R.T. 0.012 min

Lab File: VY017436.D

Acq: 21 Feb 2024 14:31

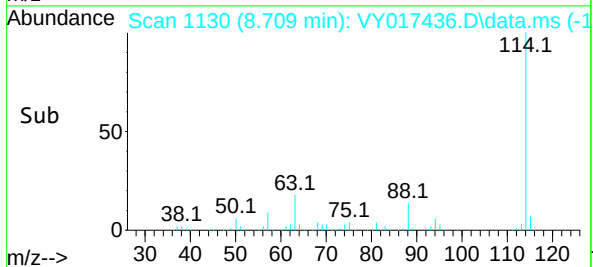
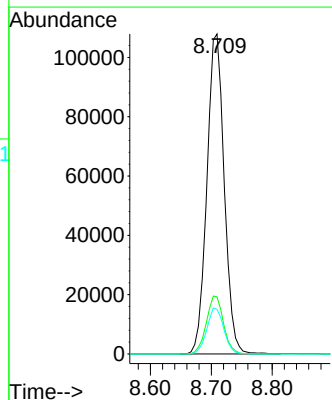
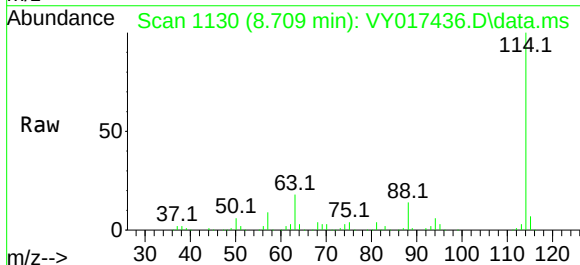
Tgt Ion: 114 Resp: 213048

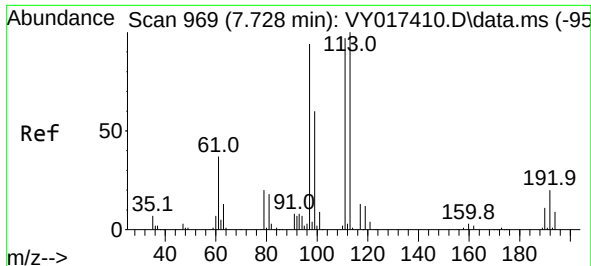
Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.0

88 14.0 0.0 27.2

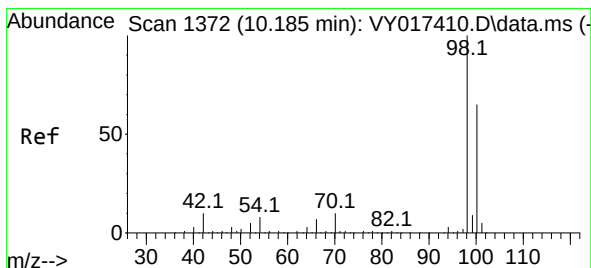
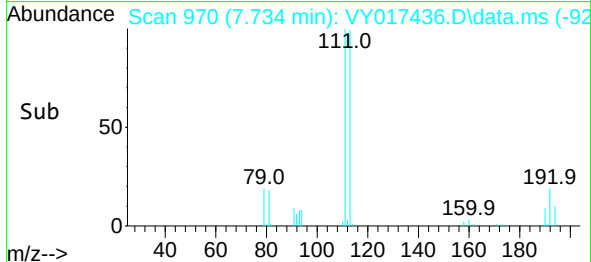
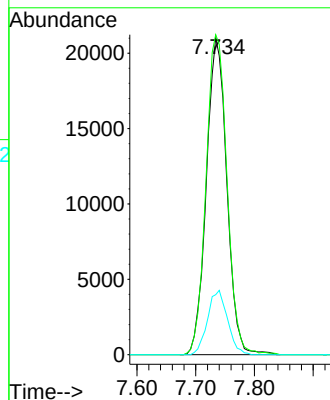
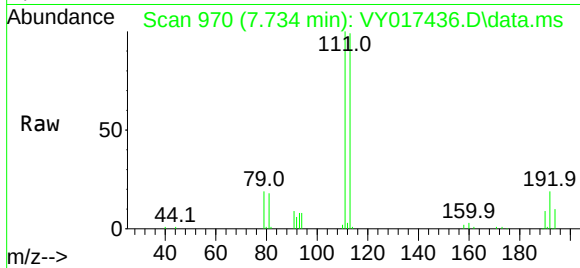




#35  
Dibromofluoromethane  
Concen: 40.766 ug/l  
RT: 7.734 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY017436.D  
Acq: 21 Feb 2024 14:31

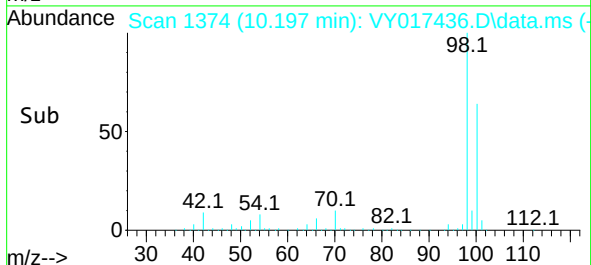
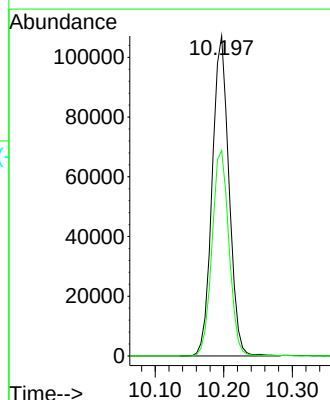
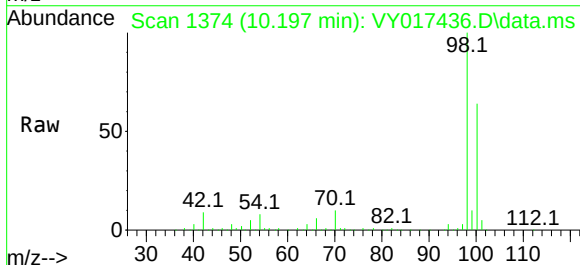
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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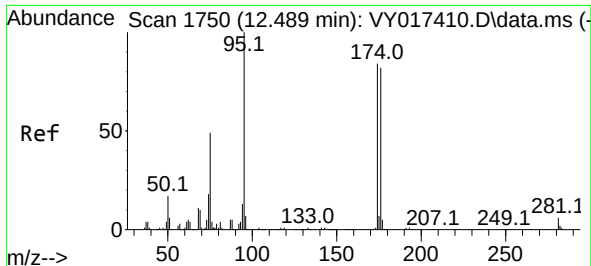
Tgt Ion:113 Resp: 50840  
Ion Ratio Lower Upper  
113 100  
111 103.8 82.2 123.4  
192 19.8 15.9 23.9



#50  
Toluene-d8  
Concen: 37.608 ug/l  
RT: 10.197 min Scan# 1374  
Delta R.T. 0.012 min  
Lab File: VY017436.D  
Acq: 21 Feb 2024 14:31

Tgt Ion: 98 Resp: 181901  
Ion Ratio Lower Upper  
98 100  
100 64.8 52.0 78.0

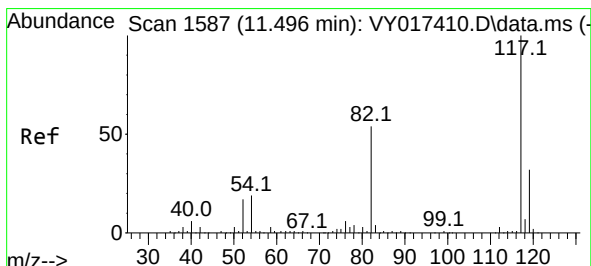
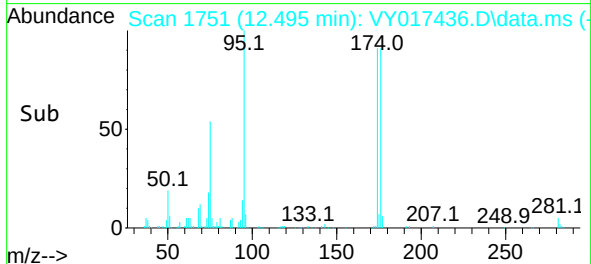
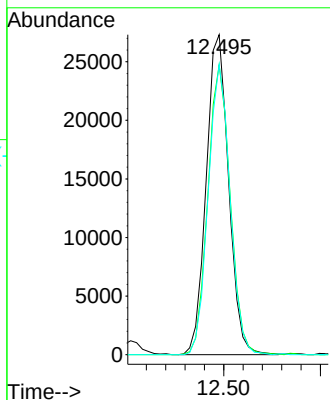
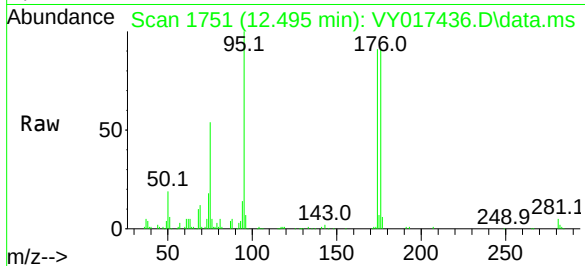




#62  
4-Bromofluorobenzene  
Concen: 28.068 ug/l  
RT: 12.495 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY017436.D  
Acq: 21 Feb 2024 14:31

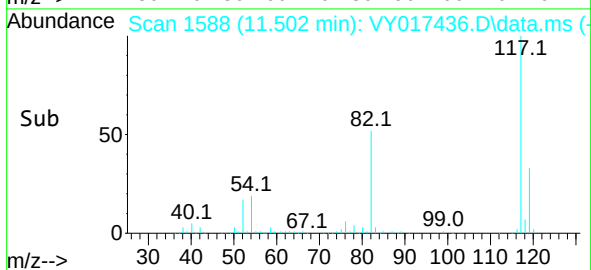
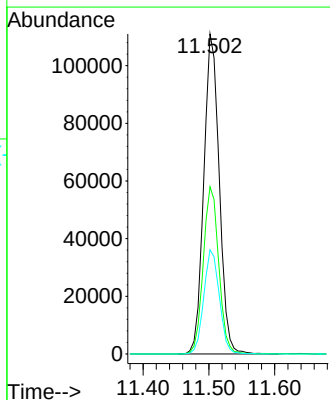
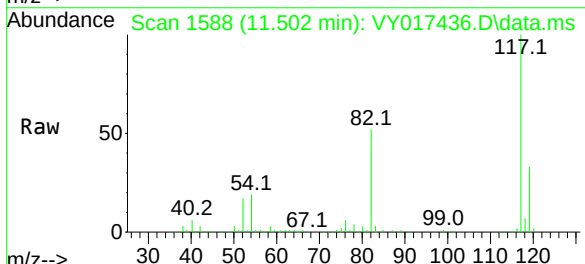
Instrument :  
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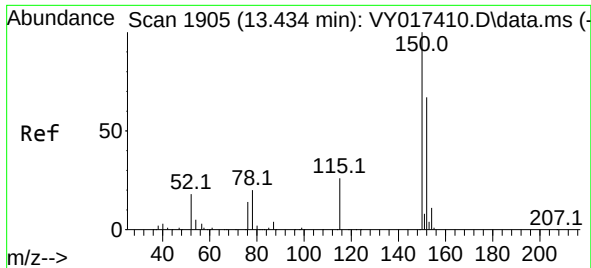
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 44010 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 90.1  | 0.0   | 175.6 |
| 176      | 88.2  | 0.0   | 171.4 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.502 min Scan# 1588  
Delta R.T. 0.006 min  
Lab File: VY017436.D  
Acq: 21 Feb 2024 14:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 181856 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 52.3  | 42.4  | 63.6   |
| 119      | 32.5  | 25.9  | 38.9   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VY017436.D

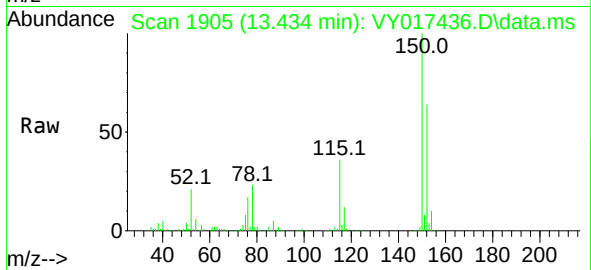
Acq: 21 Feb 2024 14:31

Instrument :

MSVOA\_Y

ClientSampleId :

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Tgt Ion:152 Resp: 56212

Ion Ratio Lower Upper

152 100

115 56.8 28.2 84.7

150 157.3 0.0 345.6

