

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091724\  
 Data File : VY019590.D  
 Acq On : 17 Sep 2024 16:59  
 Operator : SY/MD  
 Sample : P4002-07RE  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-5RE

Quant Time: Sep 18 01:34:04 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

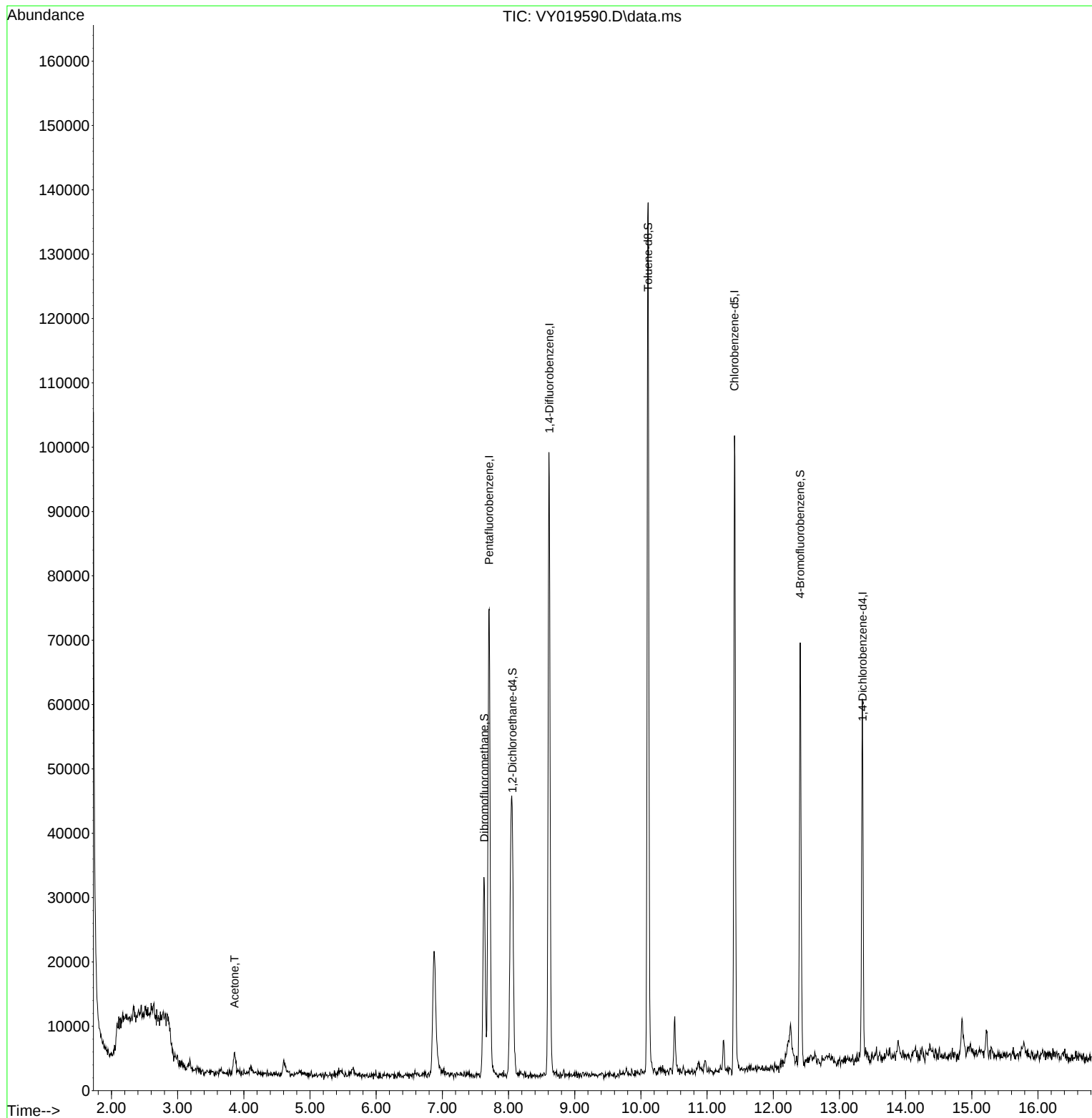
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 7.707  | 168   | 54221    | 50.000   | ug/l  | # 0.00    |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 82384    | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 52721    | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.352 | 152   | 12743    | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 20589    | 41.008   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 82.020%   |
| 35) Dibromofluoromethane    | 7.634  | 113   | 21994    | 47.086   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 94.180%   |
| 50) Toluene-d8              | 10.109 | 98    | 89963    | 52.071   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 104.140%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 19300    | 29.052   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =     | 58.100%   |
| Target Compounds            |        |       |          |          |       |           |
| 16) Acetone                 | 3.860  | 43    | 6232     | 52.102   | ug/l  | Qvalue 93 |
| -----                       |        |       |          |          |       |           |

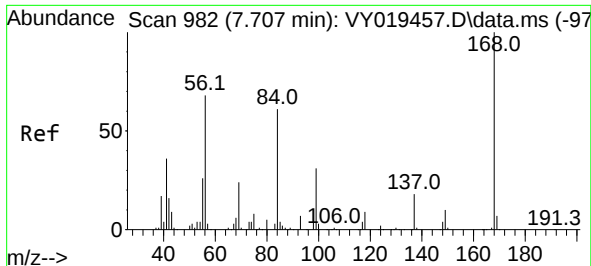
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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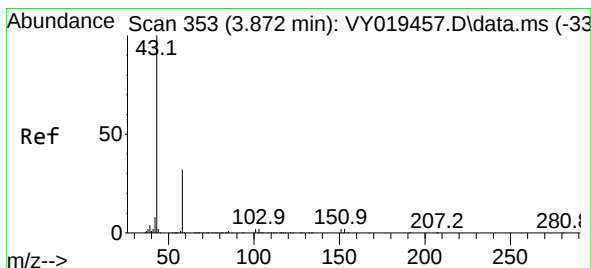
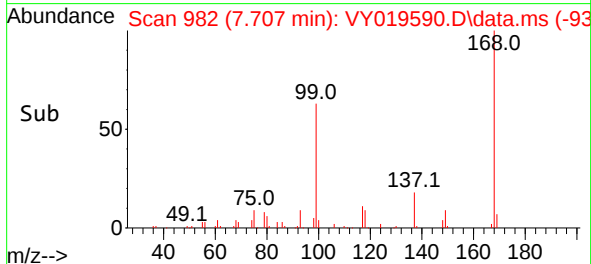
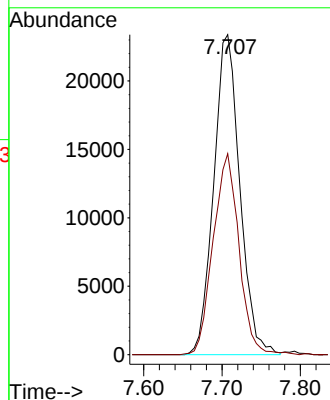
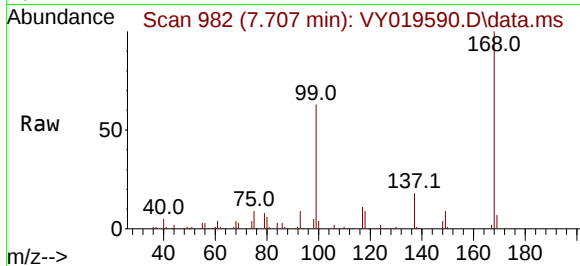




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY019590.D  
Acq: 17 Sep 2024 16:59

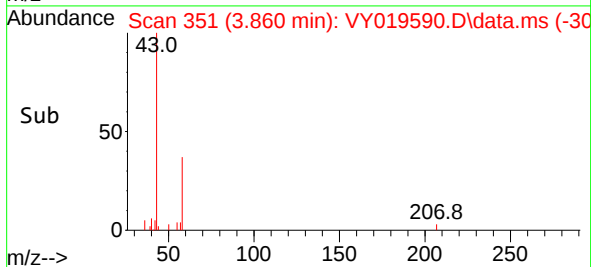
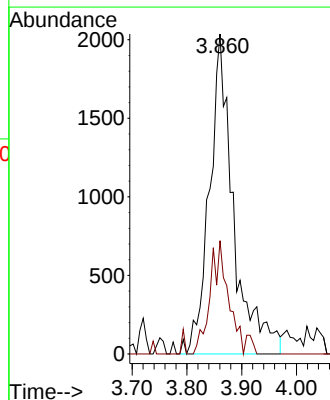
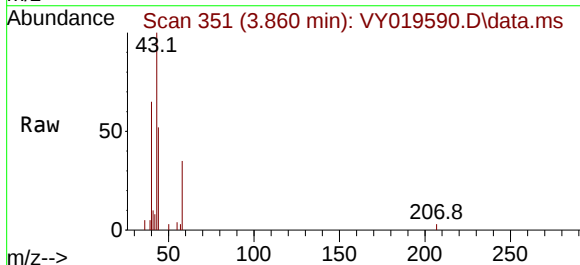
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-5RE

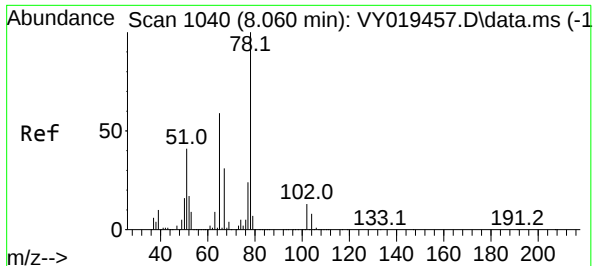
Tgt Ion:168 Resp: 54221  
Ion Ratio Lower Upper  
168 100  
99 62.8 39.1 58.7#



#16  
Acetone  
Concen: 52.102 ug/l  
RT: 3.860 min Scan# 351  
Delta R.T. -0.012 min  
Lab File: VY019590.D  
Acq: 17 Sep 2024 16:59

Tgt Ion: 43 Resp: 6232  
Ion Ratio Lower Upper  
43 100  
58 35.4 31.7 47.5





#33

1,2-Dichloroethane-d4

Concen: 41.008 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY019590.D

Acq: 17 Sep 2024 16:59

Instrument :

MSVOA\_Y

ClientSampleId :

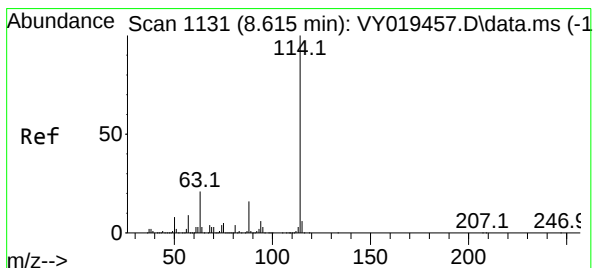
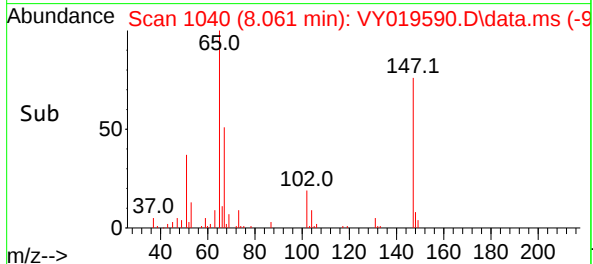
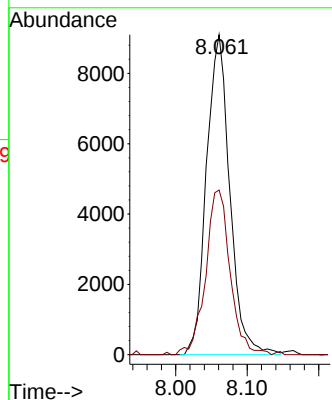
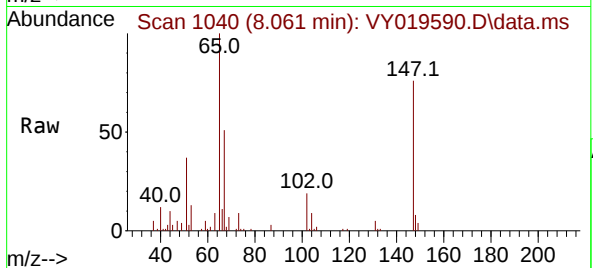
TP-5RE

Tgt Ion: 65 Resp: 20589

Ion Ratio Lower Upper

65 100

67 54.0 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: VY019590.D

Acq: 17 Sep 2024 16:59

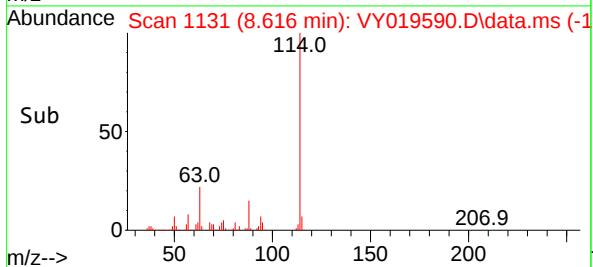
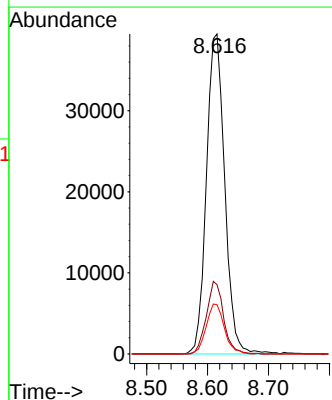
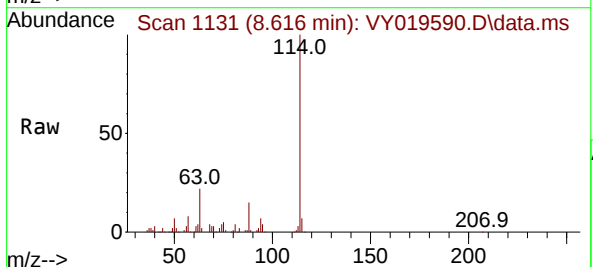
Tgt Ion: 114 Resp: 82384

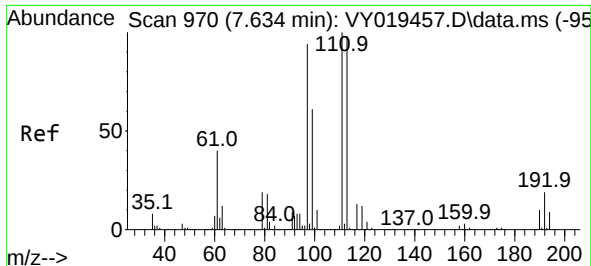
Ion Ratio Lower Upper

114 100

63 21.7 0.0 35.0

88 15.4 0.0 27.2

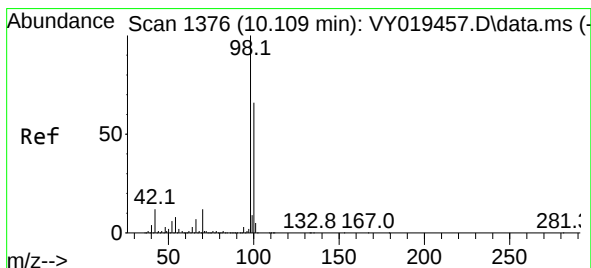
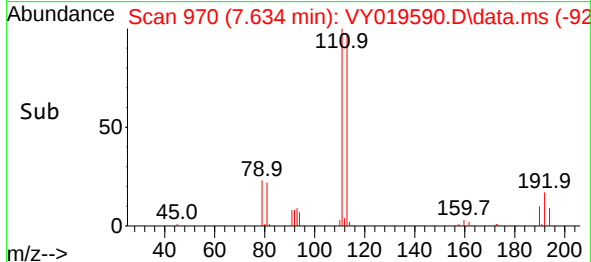
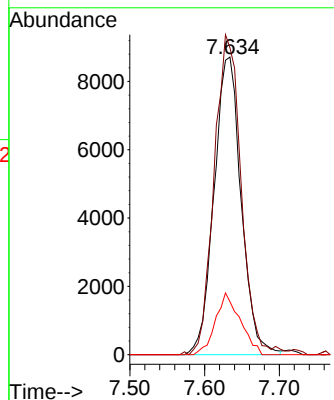
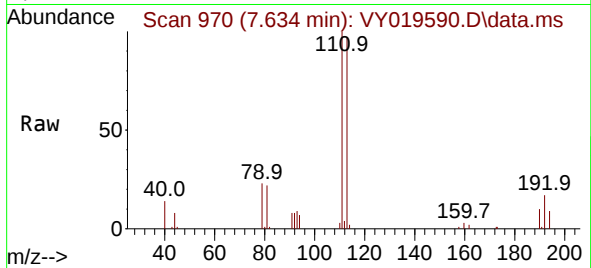




#35  
Dibromofluoromethane  
Concen: 47.086 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY019590.D  
Acq: 17 Sep 2024 16:59

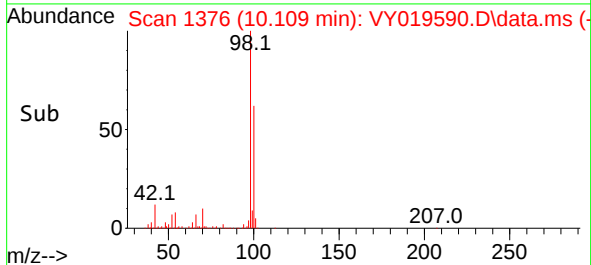
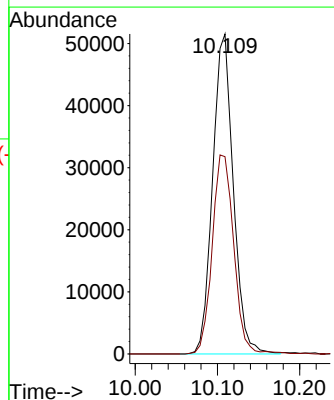
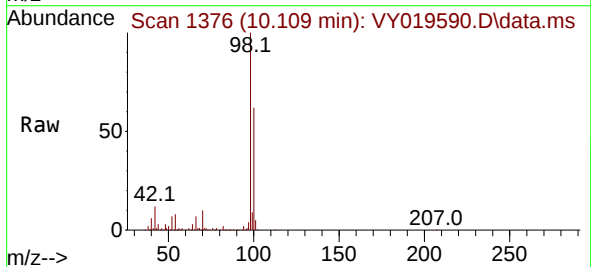
Instrument :  
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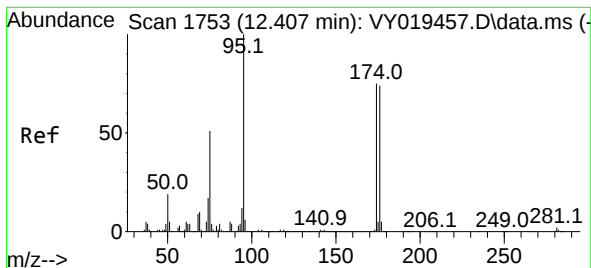
Tgt Ion:113 Resp: 21994  
Ion Ratio Lower Upper  
113 100  
111 107.0 82.2 123.4  
192 19.0 15.9 23.9



#50  
Toluene-d8  
Concen: 52.071 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.000 min  
Lab File: VY019590.D  
Acq: 17 Sep 2024 16:59

Tgt Ion: 98 Resp: 89963  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 29.052 ug/l

RT: 12.408 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019590.D

Acq: 17 Sep 2024 16:59

Instrument :

MSVOA\_Y

ClientSampleId :

TP-5RE

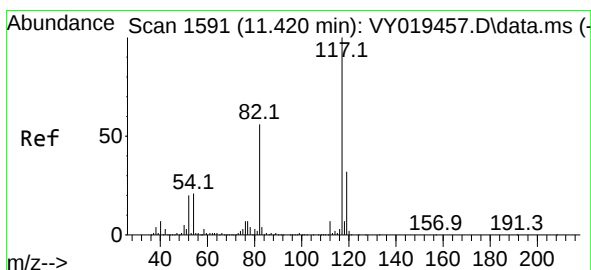
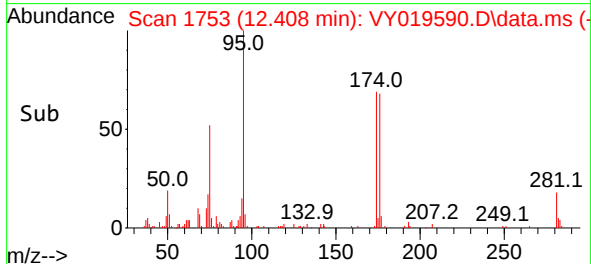
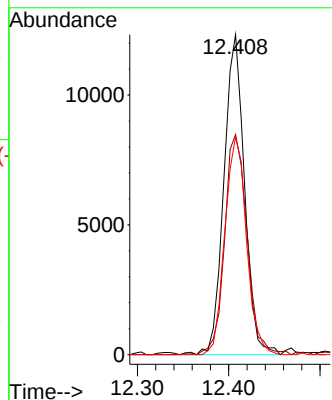
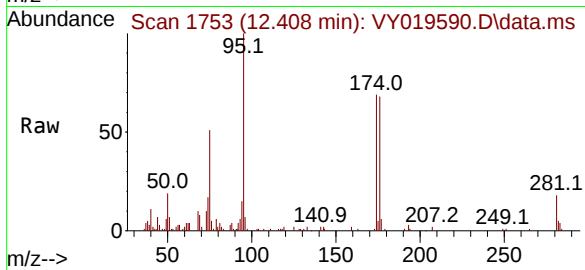
Tgt Ion: 95 Resp: 19300

Ion Ratio Lower Upper

95 100

174 75.4 0.0 175.6

176 71.5 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: VY019590.D

Acq: 17 Sep 2024 16:59

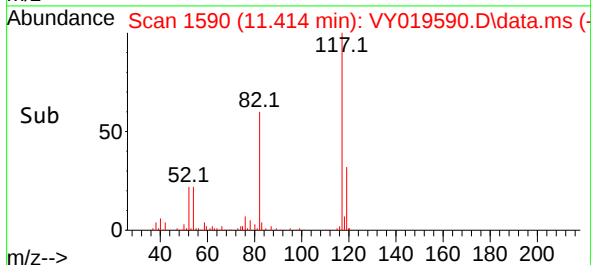
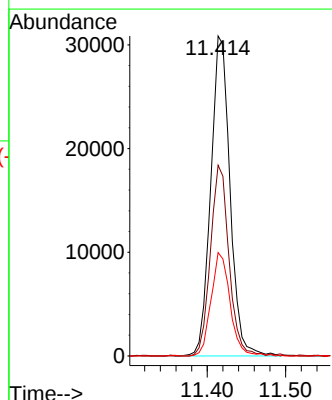
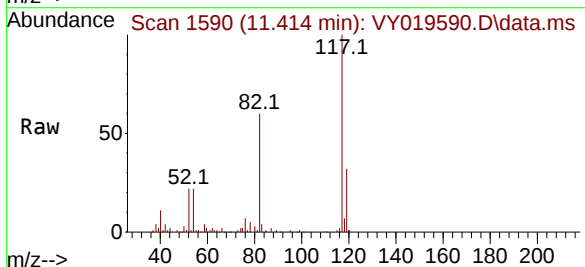
Tgt Ion: 117 Resp: 52721

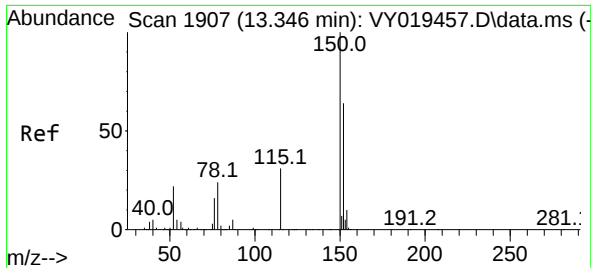
Ion Ratio Lower Upper

117 100

82 59.6 42.4 63.6

119 32.3 25.9 38.9





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.352 min Scan# 1908  
 Delta R.T. 0.006 min  
 Lab File: VY019590.D  
 Acq: 17 Sep 2024 16:59

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-5RE

Tgt Ion:152 Resp: 12743  
 Ion Ratio Lower Upper  
 152 100  
 115 67.0 28.2 84.7  
 150 160.3 0.0 345.6

