

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092424\  
 Data File : VY019679.D  
 Acq On : 24 Sep 2024 13:58  
 Operator : SY/MD  
 Sample : P4142-01  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Sep 25 01:24:45 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

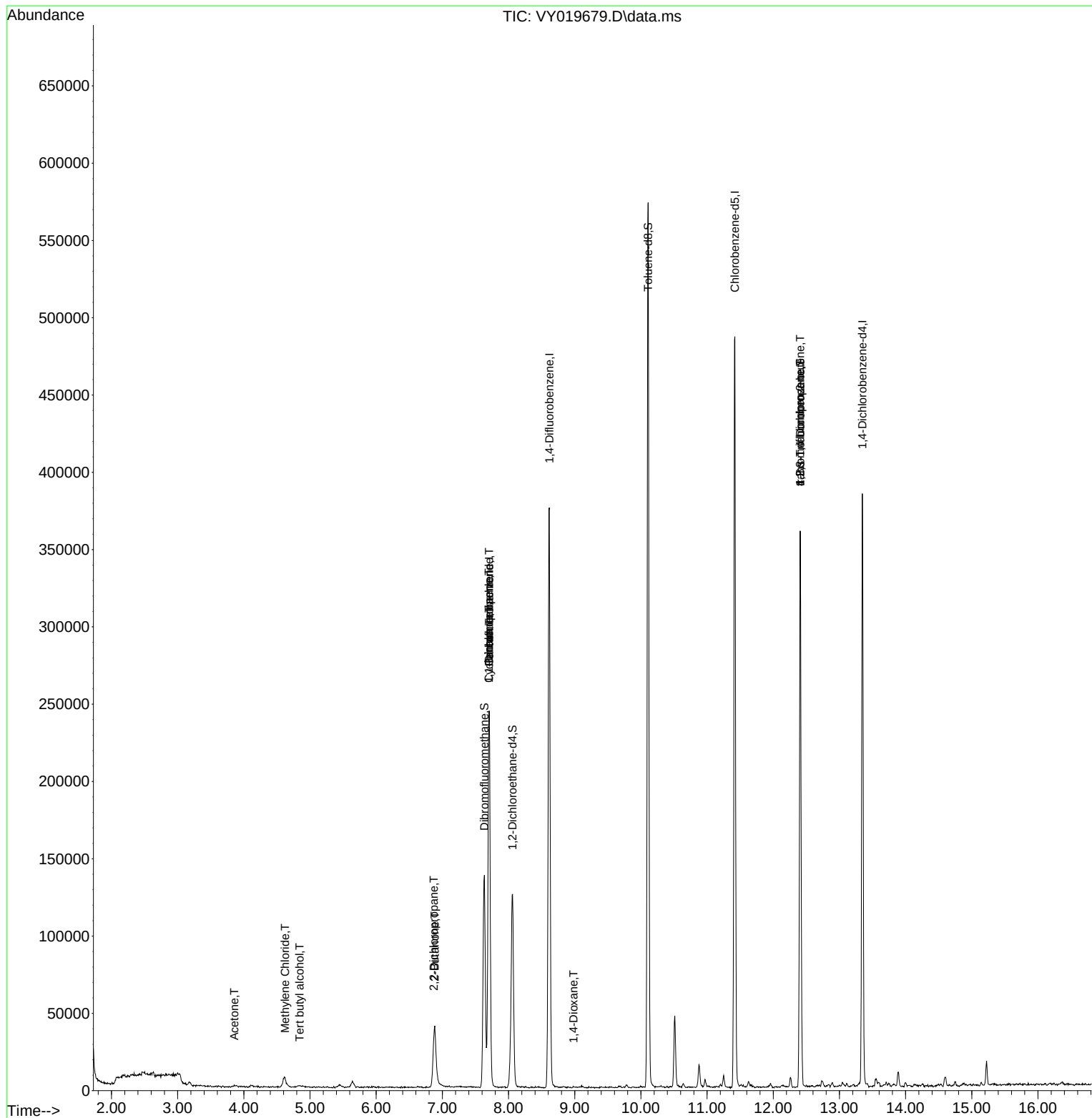
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.707  | 168   | 184781   | 50.000    | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.616  | 114   | 323018   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.420 | 117   | 262553   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346 | 152   | 91444    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.061  | 65    | 93496    | 54.643    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 109.280% |          |
| 35) Dibromofluoromethane      | 7.634  | 113   | 97800    | 53.400    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 106.800% |          |
| 50) Toluene-d8                | 10.109 | 98    | 370883   | 54.750    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 109.500% |          |
| 62) 4-Bromofluorobenzene      | 12.408 | 95    | 109097   | 41.885    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 29 - 146 | Recovery  | = 83.760%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.842  | 59    | 1124     | 8.134     | ug/l       | # 88     |
| 13) Acrolein                  | 3.665  | 56    | 23       | Below Cal |            | 84       |
| 16) Acetone                   | 3.854  | 43    | 1975     | 4.845     | ug/l       | 88       |
| 20) Methylene Chloride        | 4.622  | 84    | 5030     | 2.706     | ug/l       | # 89     |
| 25) 2-Butanone                | 6.884  | 43    | 2595     | 4.476     | ug/l       | # 64     |
| 26) 2,2-Dichloropropane       | 6.872  | 77    | 3369     | 1.102     | ug/l       | # 51     |
| 31) Cyclohexane               | 7.701  | 56    | 4426     | 1.445     | ug/l       | # 14     |
| 36) 1,1-Dichloropropene       | 7.701  | 75    | 15908    | 6.383     | ug/l       | # 49     |
| 38) Carbon Tetrachloride      | 7.707  | 117   | 20402    | 7.260     | ug/l       | # 16     |
| 49) 1,4-Dioxane               | 8.981  | 88    | 26       | 2.152     | ug/l       | # 20     |
| 76) 1,2,3-Trichloropropane    | 12.408 | 75    | 57490    | 67.075    | ug/l       | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.408 | 75    | 57490    | 128.765   | ug/l       | # 16     |
| -----                         |        |       |          |           |            |          |

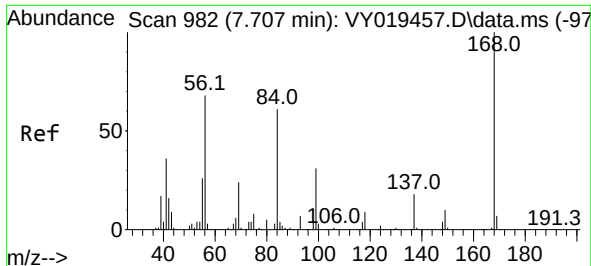
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092424\  
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Operator : SY/MD  
Sample : P4142-01  
Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Sep 25 01:24:45 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

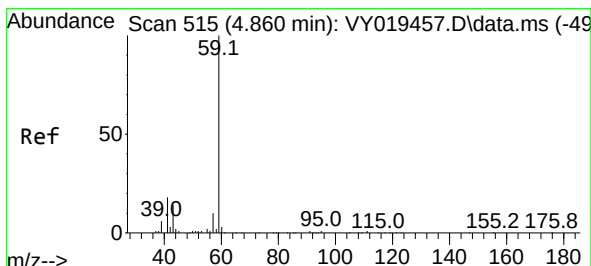
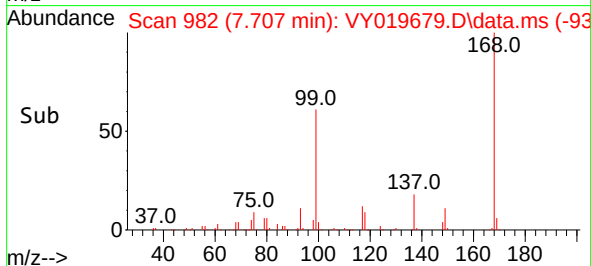
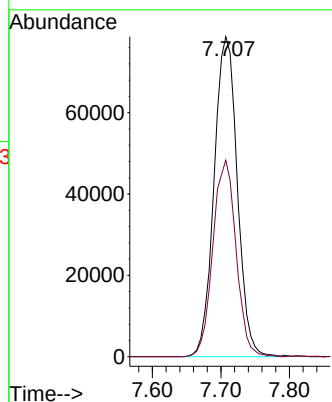
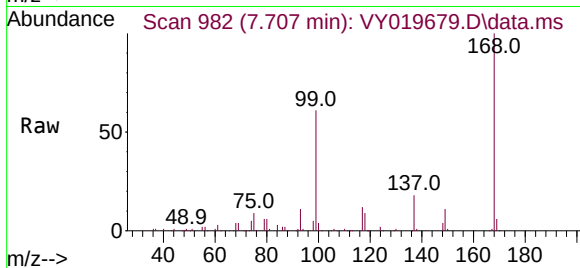




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY019679.D  
Acq: 24 Sep 2024 13:58

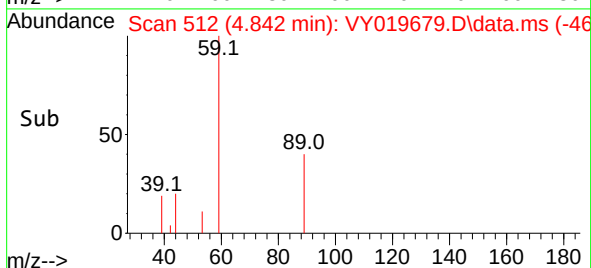
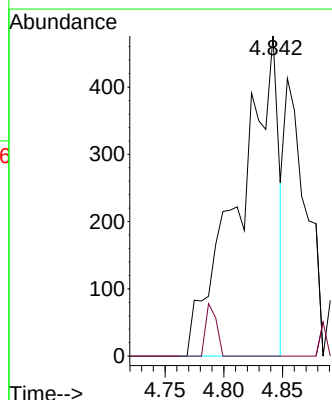
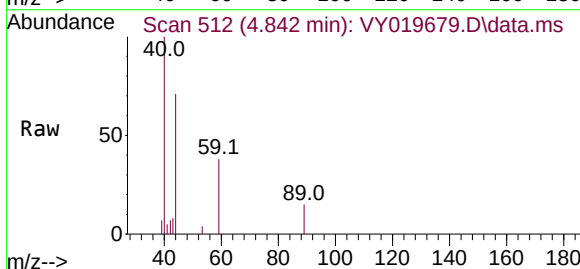
Instrument :  
MSVOA\_Y  
ClientSampleId :

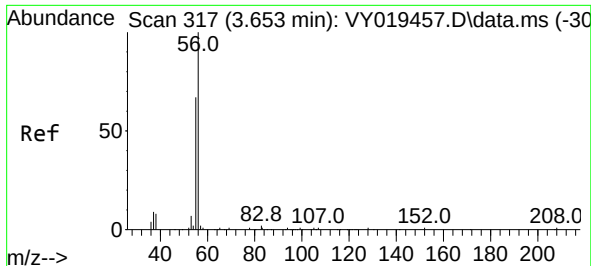
Tgt Ion:168 Resp: 184781  
Ion Ratio Lower Upper  
168 100  
99 61.4 39.1 58.7#



#11  
Tert butyl alcohol  
Concen: 8.134 ug/l  
RT: 4.842 min Scan# 512  
Delta R.T. -0.018 min  
Lab File: VY019679.D  
Acq: 24 Sep 2024 13:58

Tgt Ion: 59 Resp: 1124  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.6#

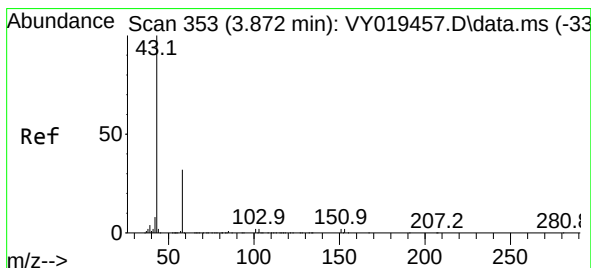
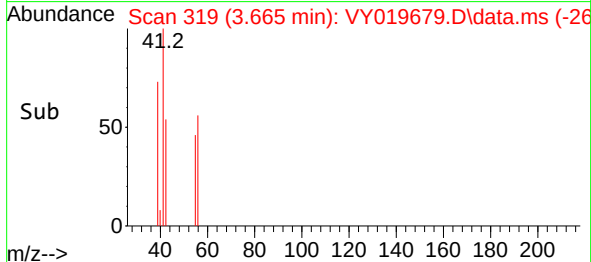
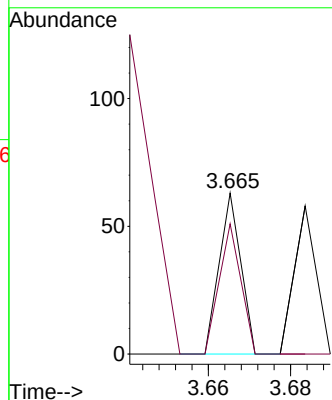
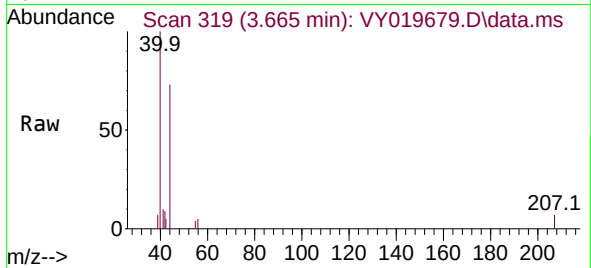




#13  
Acrolein  
Concen: Below Cal  
RT: 3.665 min Scan# 317  
Delta R.T. 0.012 min  
Lab File: VY019679.D  
Acq: 24 Sep 2024 13:58

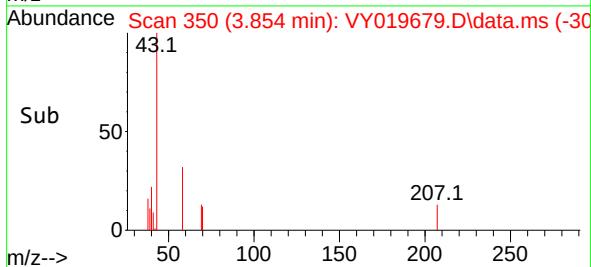
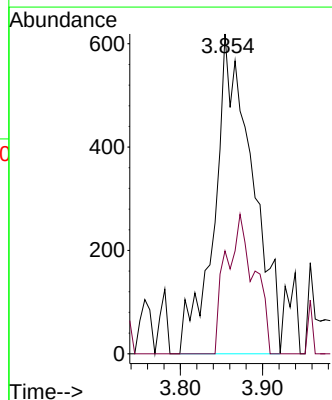
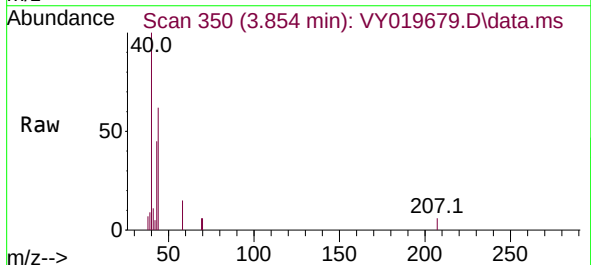
Instrument :  
MSVOA\_Y  
ClientSampleId :

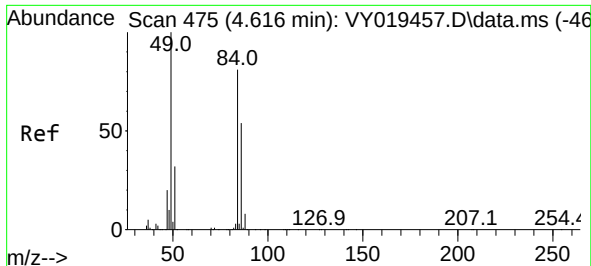
Tgt Ion: 56 Resp: 23  
Ion Ratio Lower Upper  
56 100  
55 82.6 55.7 83.5



#16  
Acetone  
Concen: 4.845 ug/l  
RT: 3.854 min Scan# 350  
Delta R.T. -0.018 min  
Lab File: VY019679.D  
Acq: 24 Sep 2024 13:58

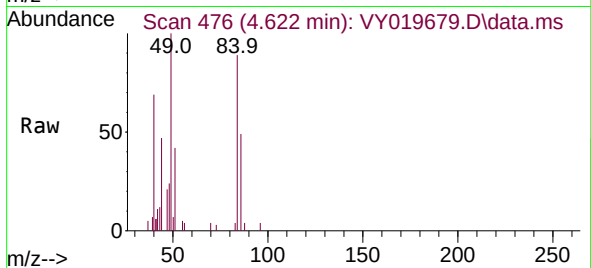
Tgt Ion: 43 Resp: 1975  
Ion Ratio Lower Upper  
43 100  
58 32.1 31.7 47.5



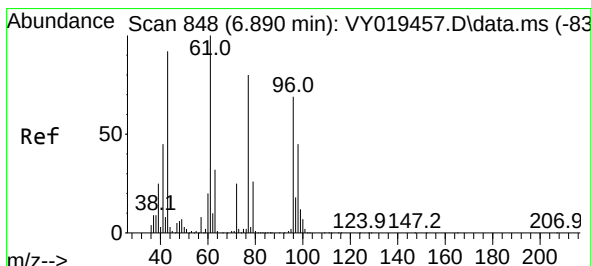
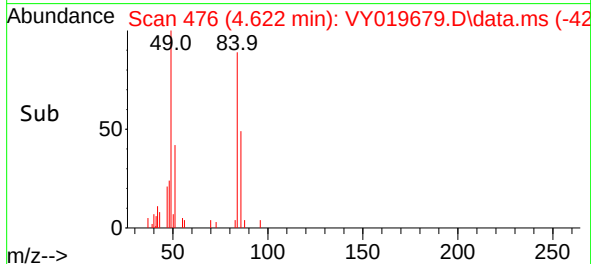
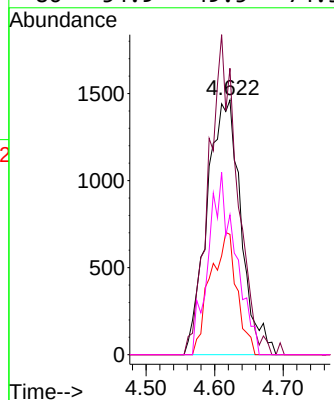


#20  
Methylene Chloride  
Concen: 2.706 ug/l  
RT: 4.622 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VY019679.D  
Acq: 24 Sep 2024 13:58

Instrument :  
MSVOA\_Y  
ClientSampleId :

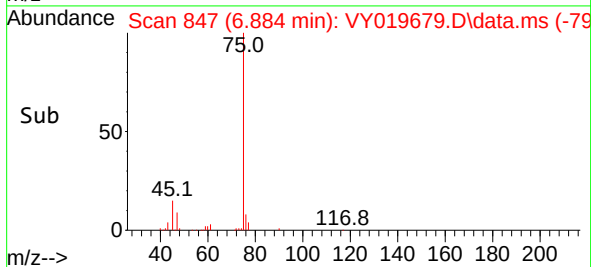
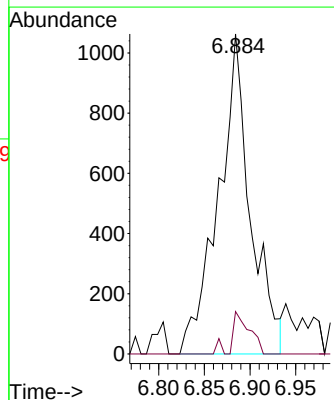
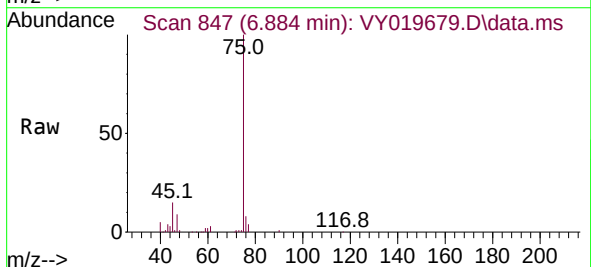


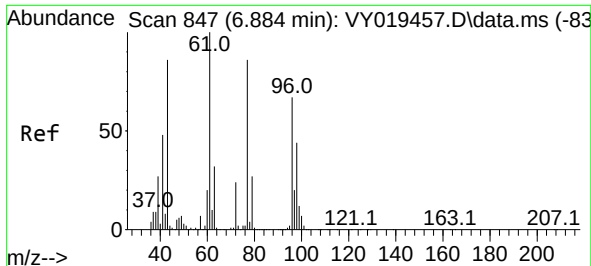
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 5030  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 112.4 | 84.4  | 126.6 |
| 51       | 47.2  | 26.0  | 39.0# |
| 86       | 54.9  | 49.5  | 74.3  |



#25  
2-Butanone  
Concen: 4.476 ug/l  
RT: 6.884 min Scan# 847  
Delta R.T. -0.006 min  
Lab File: VY019679.D  
Acq: 24 Sep 2024 13:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 2595  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 13.3  | 27.3  | 40.9# |





#26

2,2-Dichloropropane

Concen: 1.102 ug/l

RT: 6.872 min Scan# 847

Delta R.T. -0.012 min

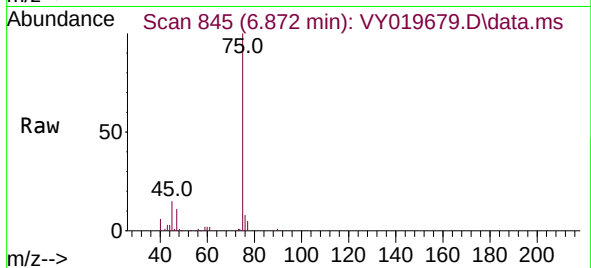
Lab File: VY019679.D

Acq: 24 Sep 2024 13:58

Instrument :

MSVOA\_Y

ClientSampleId :

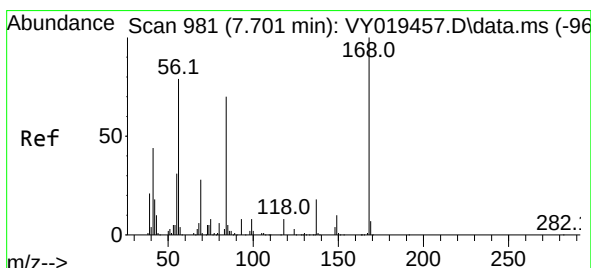
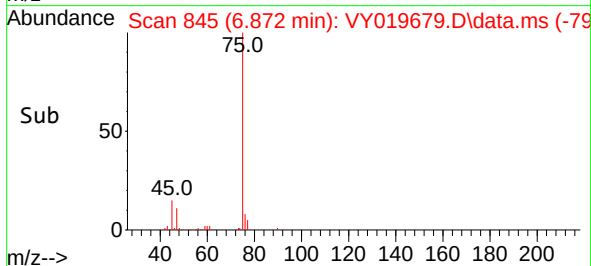
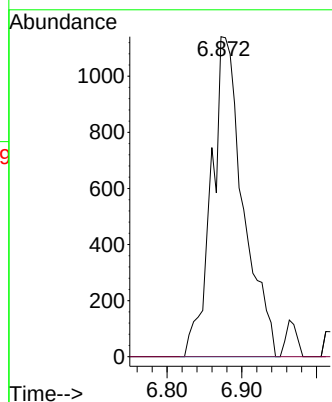


Tgt Ion: 77 Resp: 3369

Ion Ratio Lower Upper

77 100

97 0.0 12.0 36.1#



#31

Cyclohexane

Concen: 1.445 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY019679.D

Acq: 24 Sep 2024 13:58

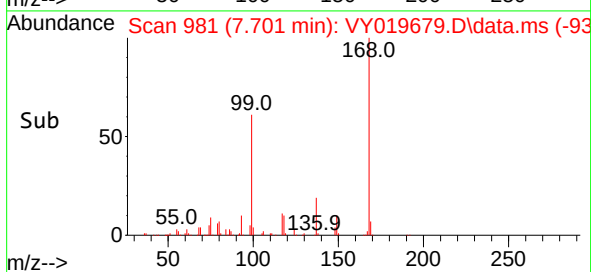
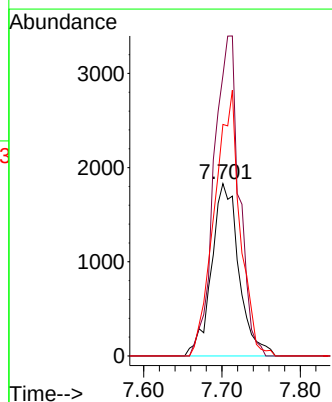
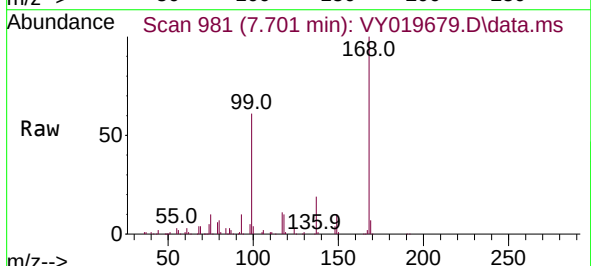
Tgt Ion: 56 Resp: 4426

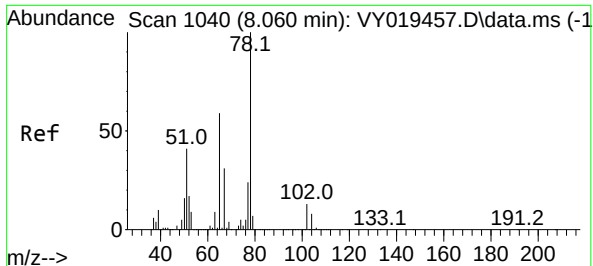
Ion Ratio Lower Upper

56 100

69 162.7 28.7 43.1#

84 134.4 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 54.643 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY019679.D

Acq: 24 Sep 2024 13:58

Instrument :

MSVOA\_Y

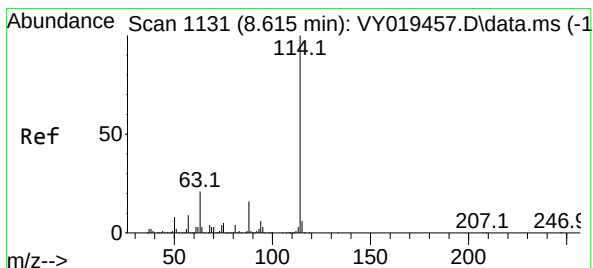
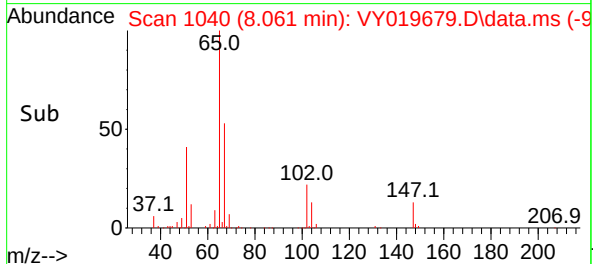
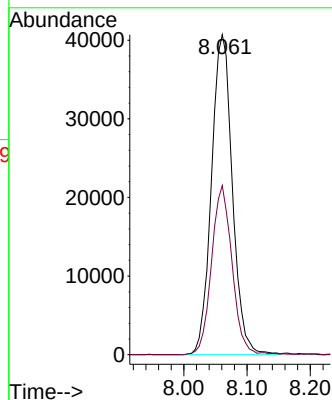
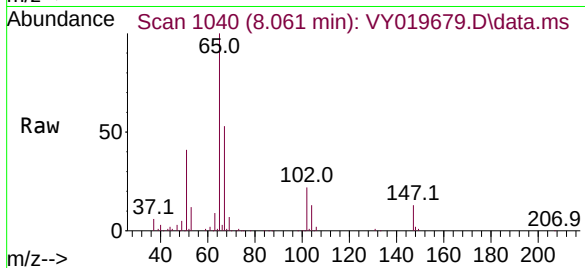
ClientSampleId :

Tgt Ion: 65 Resp: 93496

Ion Ratio Lower Upper

65 100

67 51.9 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: VY019679.D

Acq: 24 Sep 2024 13:58

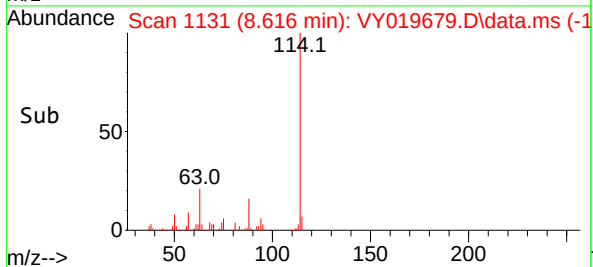
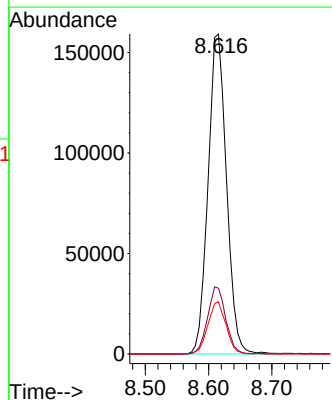
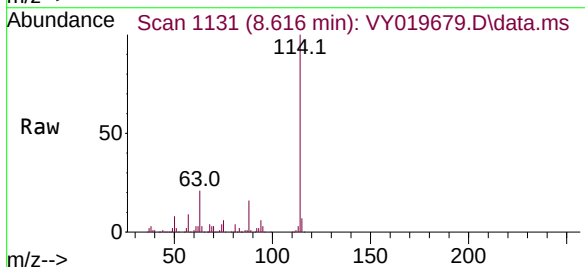
Tgt Ion: 114 Resp: 323018

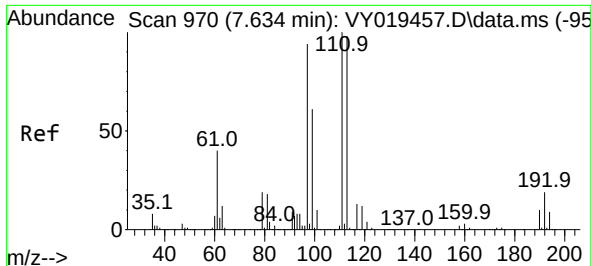
Ion Ratio Lower Upper

114 100

63 20.6 0.0 35.0

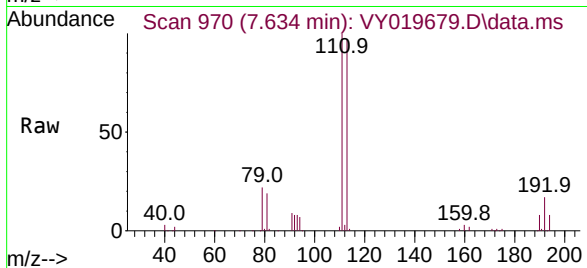
88 16.3 0.0 27.2



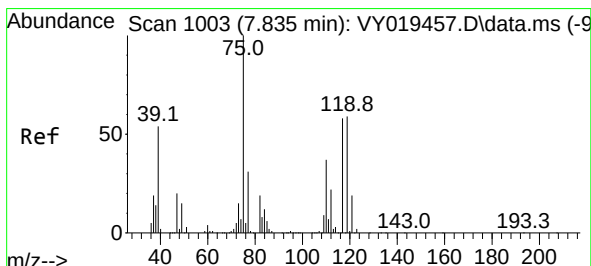
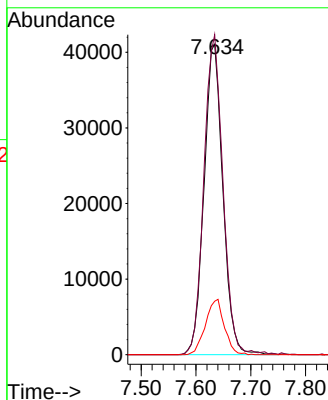
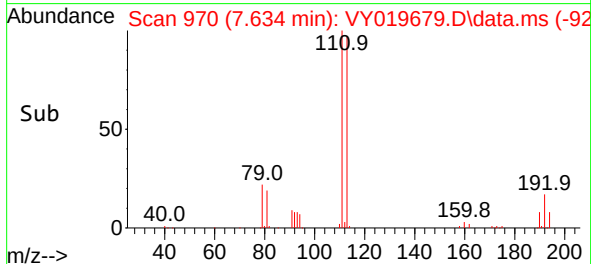


#35  
Dibromofluoromethane  
Concen: 53.400 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY019679.D  
Acq: 24 Sep 2024 13:58

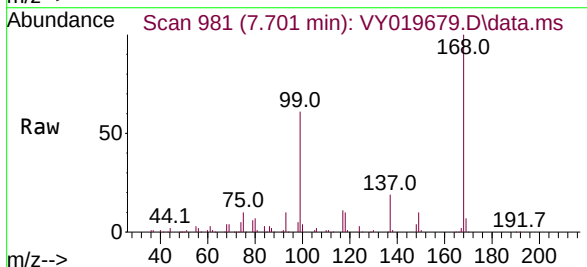
Instrument :  
MSVOA\_Y  
ClientSampleId :



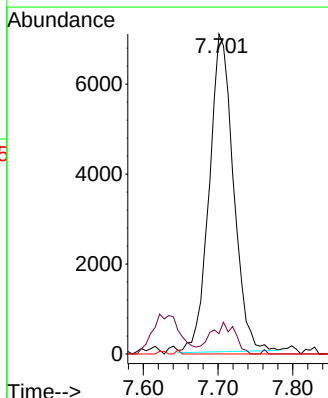
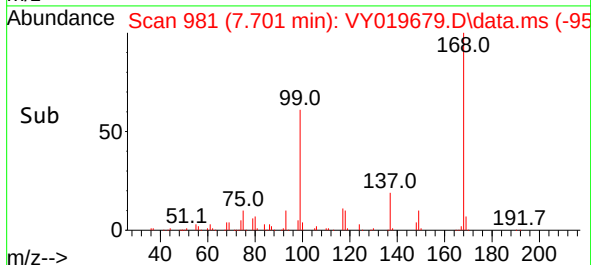
Tgt Ion:113 Resp: 97800  
Ion Ratio Lower Upper  
113 100  
111 104.0 82.2 123.4  
192 17.8 15.9 23.9



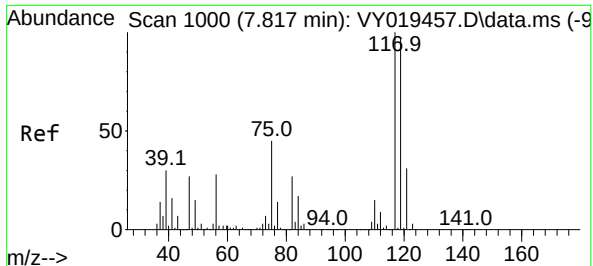
#36  
1,1-Dichloropropene  
Concen: 6.383 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. -0.134 min  
Lab File: VY019679.D  
Acq: 24 Sep 2024 13:58



Tgt Ion: 75 Resp: 15908  
Ion Ratio Lower Upper  
75 100  
110 9.9 19.0 57.0#  
77 0.0 25.3 37.9#

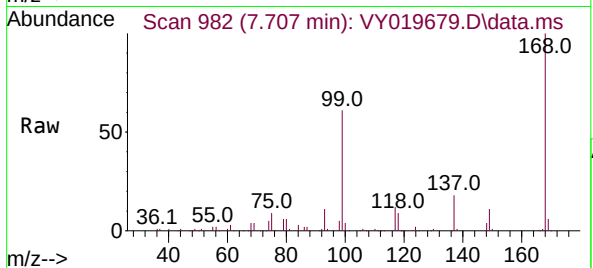




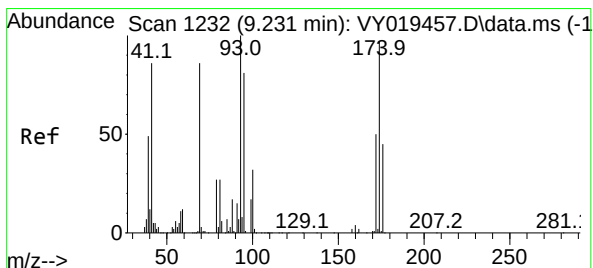
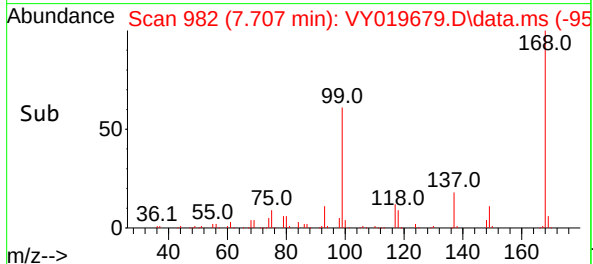
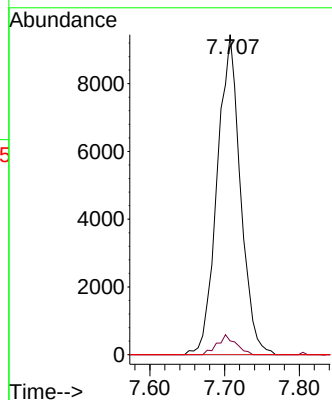


#38  
Carbon Tetrachloride  
Concen: 7.260 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.109 min  
Lab File: VY019679.D  
Acq: 24 Sep 2024 13:58

Instrument :  
MSVOA\_Y  
ClientSampleId :

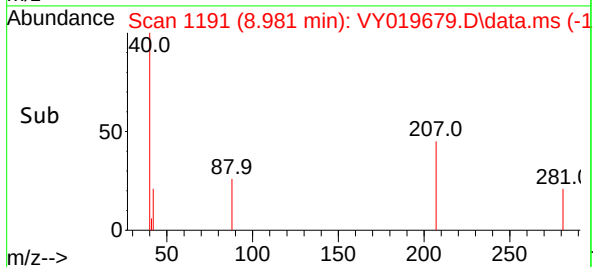
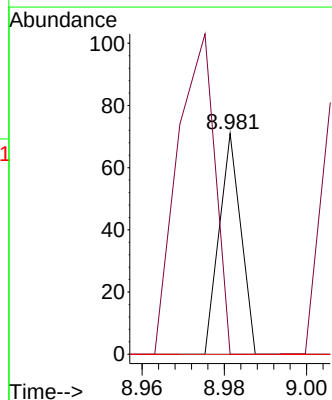
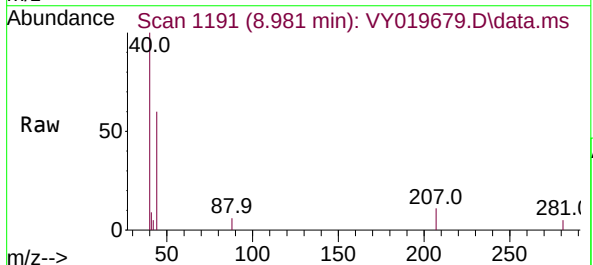


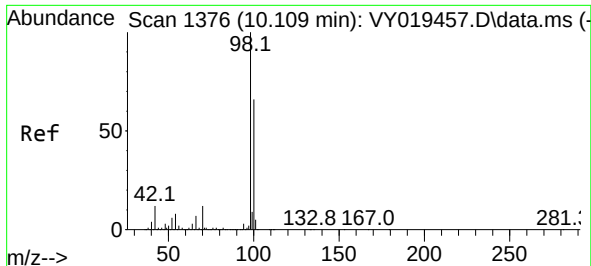
Tgt Ion:117 Resp: 20402  
Ion Ratio Lower Upper  
117 100  
119 4.3 75.8 113.6#  
121 0.0 24.0 36.0#



#49  
1,4-Dioxane  
Concen: 2.152 ug/l  
RT: 8.981 min Scan# 1191  
Delta R.T. -0.250 min  
Lab File: VY019679.D  
Acq: 24 Sep 2024 13:58

Tgt Ion: 88 Resp: 26  
Ion Ratio Lower Upper  
88 100  
43 250.0 0.0 0.0#  
58 0.0 49.3 73.9#

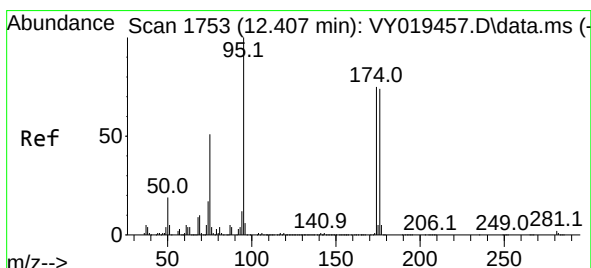
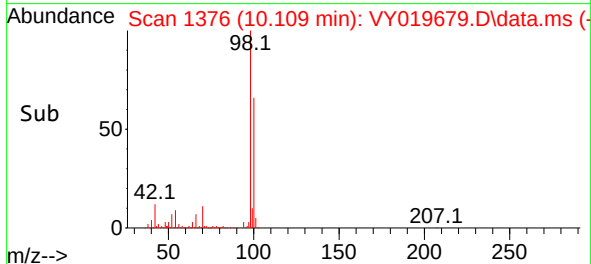
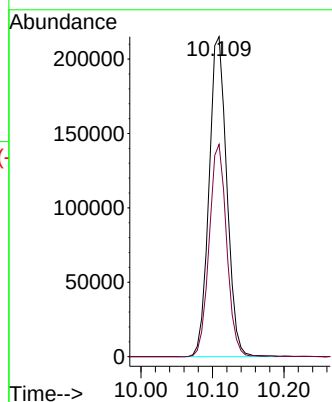
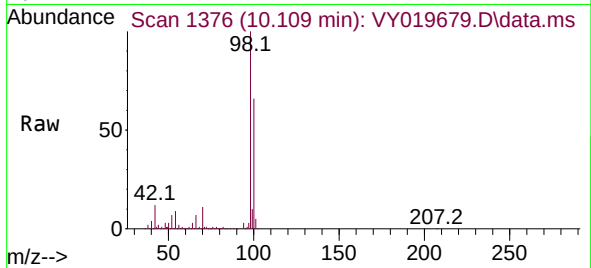




#50  
Toluene-d8  
Concen: 54.750 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.000 min  
Lab File: VY019679.D  
Acq: 24 Sep 2024 13:58

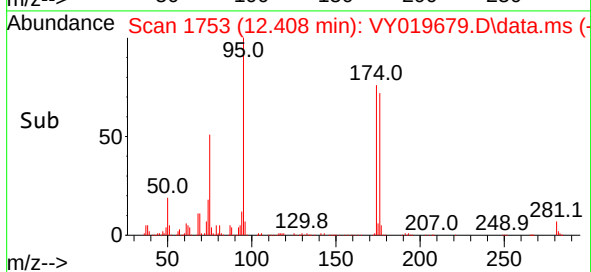
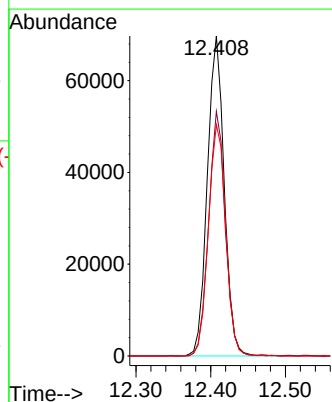
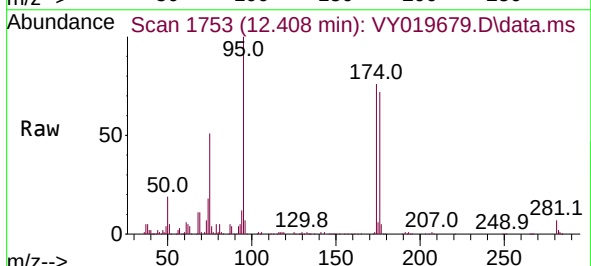
Instrument :  
MSVOA\_Y  
ClientSampleId :

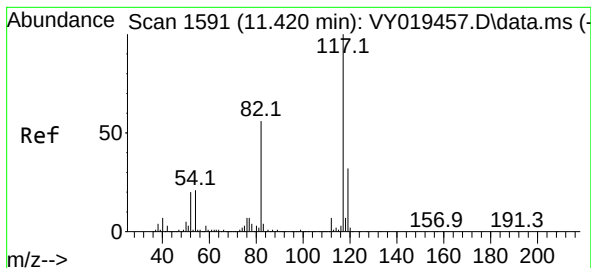
Tgt Ion: 98 Resp: 370883  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 41.885 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY019679.D  
Acq: 24 Sep 2024 13:58

Tgt Ion: 95 Resp: 109097  
Ion Ratio Lower Upper  
95 100  
174 75.8 0.0 175.6  
176 74.1 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019679.D

Acq: 24 Sep 2024 13:58

Instrument :

MSVOA\_Y

ClientSampleId :

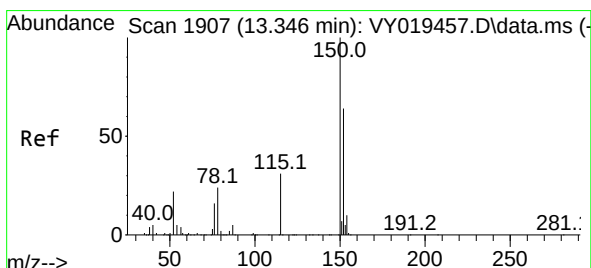
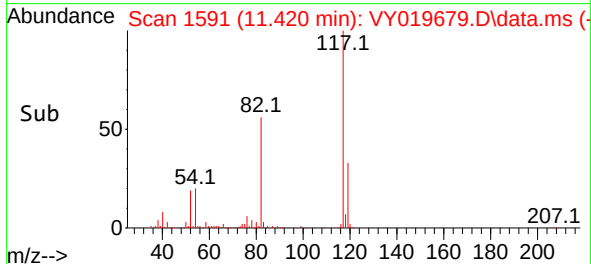
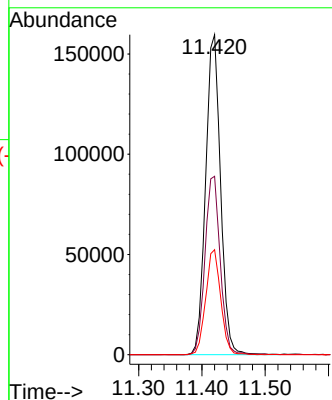
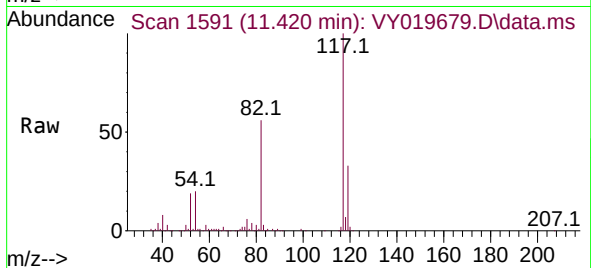
Tgt Ion:117 Resp: 262553

Ion Ratio Lower Upper

117 100

82 55.7 42.4 63.6

119 32.8 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019679.D

Acq: 24 Sep 2024 13:58

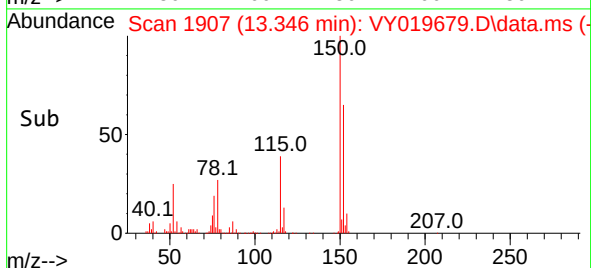
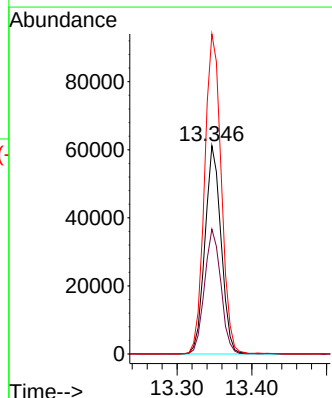
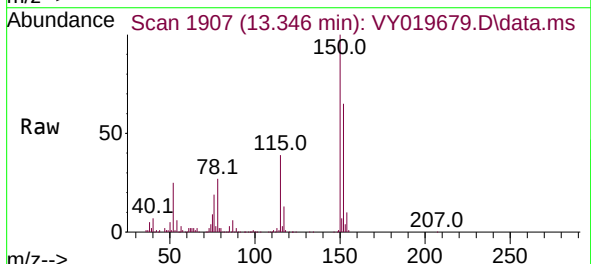
Tgt Ion:152 Resp: 91444

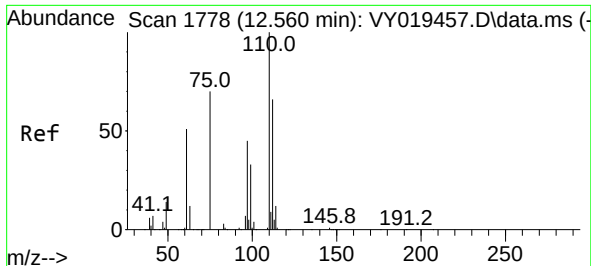
Ion Ratio Lower Upper

152 100

115 60.9 28.2 84.7

150 158.8 0.0 345.6

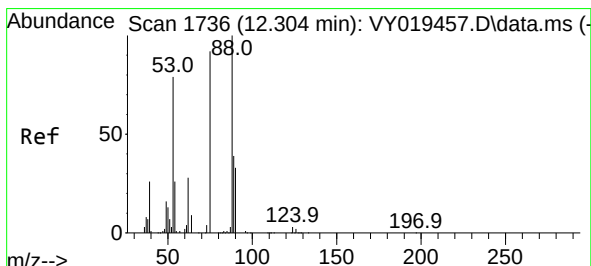
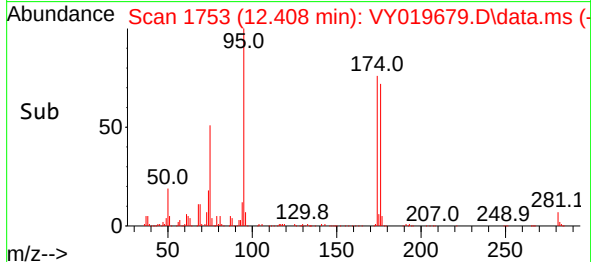
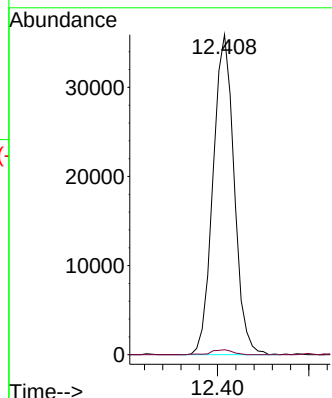
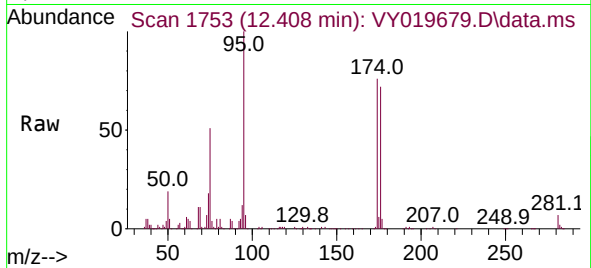




#76  
1,2,3-Trichloropropane  
Concen: 67.075 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.152 min  
Lab File: VY019679.D  
Acq: 24 Sep 2024 13:58

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 57490  
Ion Ratio Lower Upper  
75 100  
77 1.5 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 128.765 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.104 min  
Lab File: VY019679.D  
Acq: 24 Sep 2024 13:58

Tgt Ion: 75 Resp: 57490  
Ion Ratio Lower Upper  
75 100  
53 0.1 66.8 100.2#  
89 0.4 35.8 53.6#

