

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092024\  
 Data File : VY019655.D  
 Acq On : 20 Sep 2024 18:53  
 Operator : SY/MD  
 Sample : P4126-01  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Sep 20 23:54:10 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

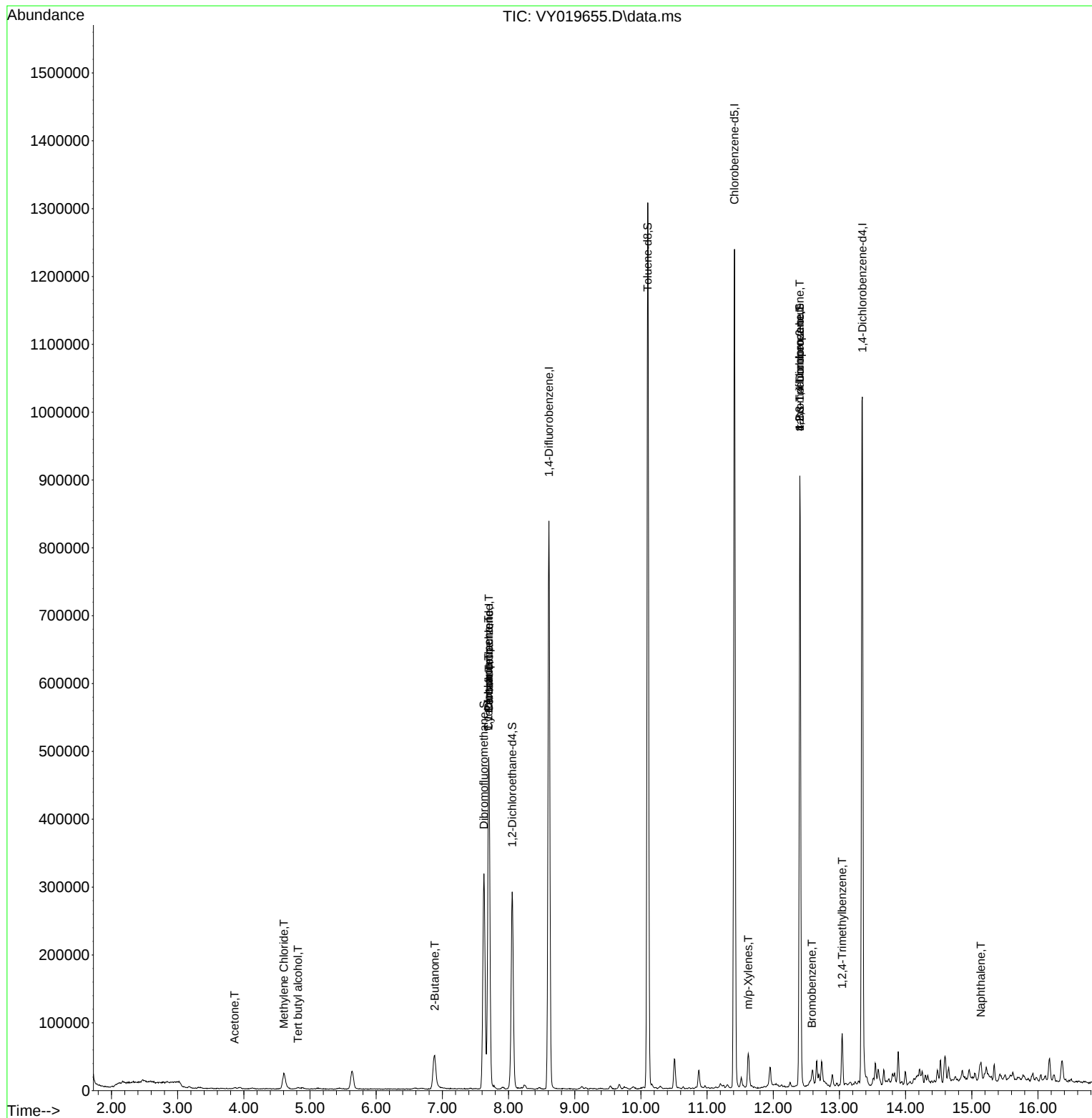
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.701  | 168   | 370847   | 50.000    | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.610  | 114   | 704068   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.414 | 117   | 645409   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346 | 152   | 252612   | 50.000    | ug/l       | 0.00     |
|                               |        |       |          |           |            |          |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.055  | 65    | 224073   | 65.252    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 130.500% |          |
| 35) Dibromofluoromethane      | 7.628  | 113   | 225196   | 56.413    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 112.820% |          |
| 50) Toluene-d8                | 10.103 | 98    | 831389   | 56.307    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 112.620% |          |
| 62) 4-Bromofluorobenzene      | 12.402 | 95    | 282550   | 49.768    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 29 - 146 | Recovery  | = 99.540%  |          |
|                               |        |       |          |           |            |          |
| Target Compounds              |        |       |          |           |            | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.867  | 85    | 141      | Below Cal | #          | 43       |
| 11) Tert butyl alcohol        | 4.818  | 59    | 1281     | 4.619     | ug/l #     | 86       |
| 13) Acrolein                  | 3.653  | 56    | 124      | Below Cal |            | 94       |
| 16) Acetone                   | 3.860  | 43    | 3118     | 3.811     | ug/l #     | 69       |
| 20) Methylene Chloride        | 4.604  | 84    | 16376    | 4.389     | ug/l       | 87       |
| 25) 2-Butanone                | 6.884  | 43    | 3510     | 3.017     | ug/l #     | 59       |
| 31) Cyclohexane               | 7.695  | 56    | 9323     | 1.517     | ug/l #     | 6        |
| 36) 1,1-Dichloropropene       | 7.695  | 75    | 31722    | 5.840     | ug/l #     | 48       |
| 38) Carbon Tetrachloride      | 7.701  | 117   | 38627    | 6.306     | ug/l #     | 16       |
| 68) m/p-Xylenes               | 11.621 | 106   | 14433    | 1.692     | ug/l       | 90       |
| 76) 1,2,3-Trichloropropane    | 12.402 | 75    | 149000   | 62.930    | ug/l #     | 100      |
| 77) Bromobenzene              | 12.584 | 156   | 10019    | 2.465     | ug/l #     | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.402 | 75    | 149000   | 120.807   | ug/l #     | 16       |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105   | 41532    | 2.816     | ug/l       | 98       |
| 95) Naphthalene               | 15.139 | 128   | 18267    | 2.128     | ug/l #     | 94       |
| -----                         |        |       |          |           |            |          |

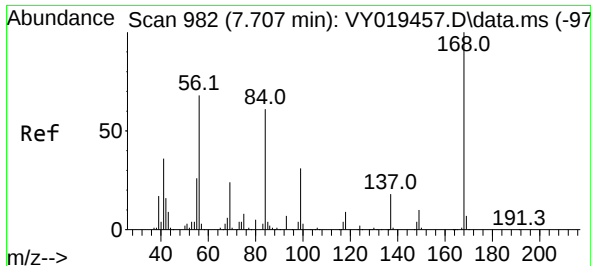
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092024\  
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Sample : P4126-01  
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ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
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Quant Time: Sep 20 23:54:10 2024  
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Quant Title : SW846 8260  
QLast Update : Mon Sep 09 16:00:30 2024  
Response via : Initial Calibration

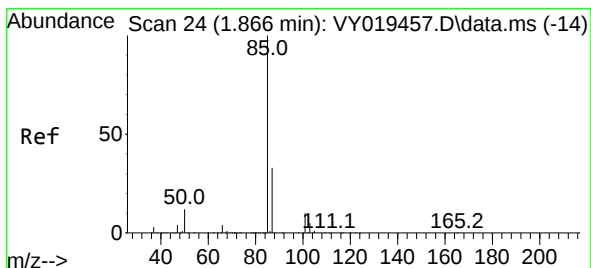
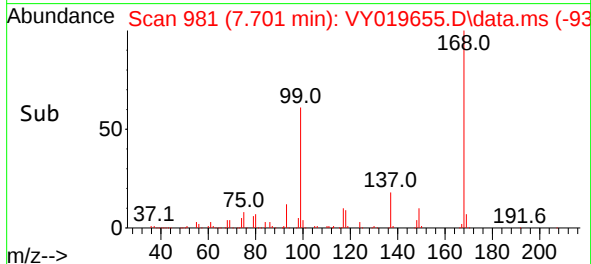
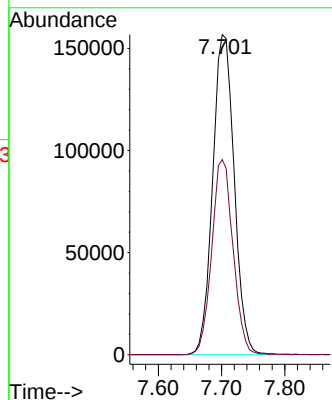
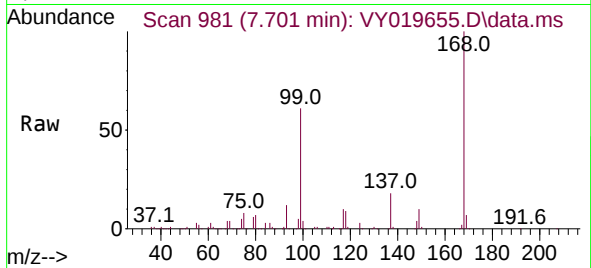




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY019655.D  
Acq: 20 Sep 2024 18:53

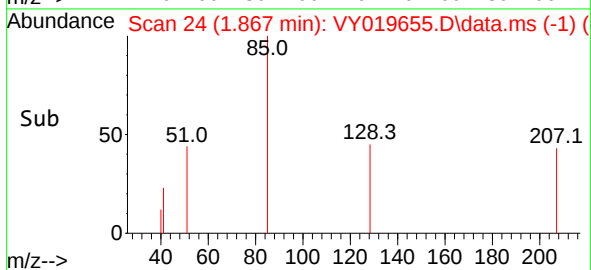
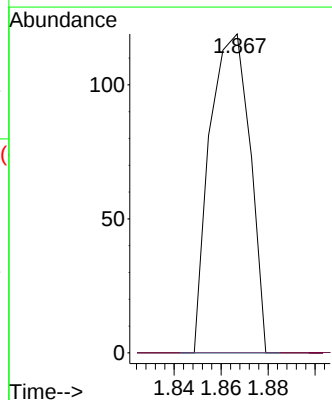
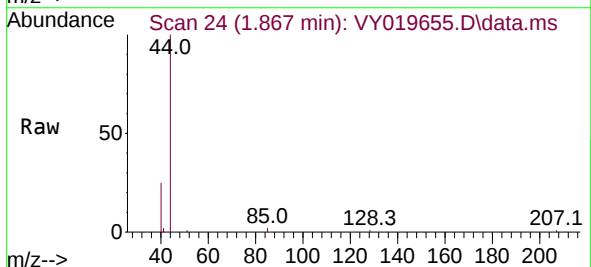
Instrument :  
MSVOA\_Y  
ClientSampleId :

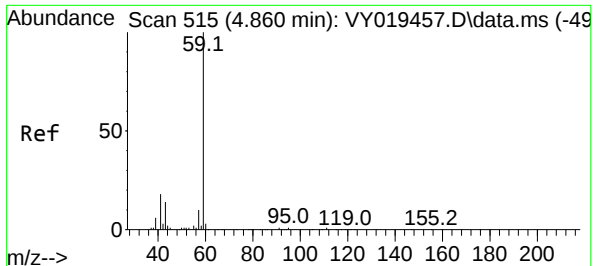
Tgt Ion:168 Resp: 370847  
Ion Ratio Lower Upper  
168 100  
99 61.0 39.1 58.7#



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.867 min Scan# 24  
Delta R.T. 0.001 min  
Lab File: VY019655.D  
Acq: 20 Sep 2024 18:53

Tgt Ion: 85 Resp: 141  
Ion Ratio Lower Upper  
85 100  
87 0.0 16.0 48.0#





#11

Tert butyl alcohol

Concen: 4.619 ug/l

RT: 4.818 min Scan# 50

Delta R.T. -0.042 min

Lab File: VY019655.D

Acq: 20 Sep 2024 18:53

Instrument :

MSVOA\_Y

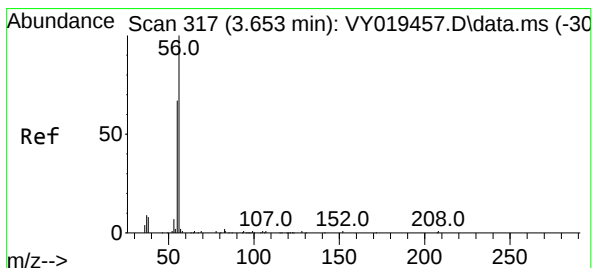
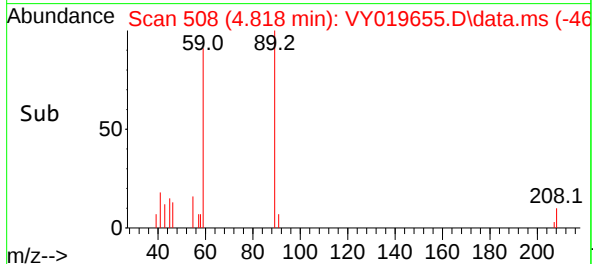
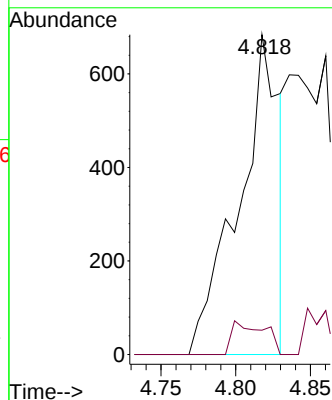
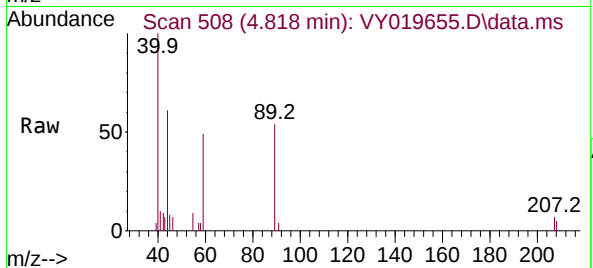
ClientSampleId :

Tgt Ion: 59 Resp: 1281

Ion Ratio Lower Upper

59 100

57 8.4 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY019655.D

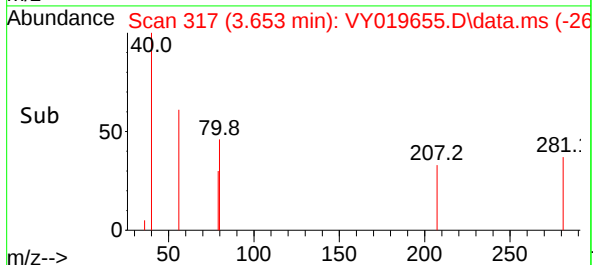
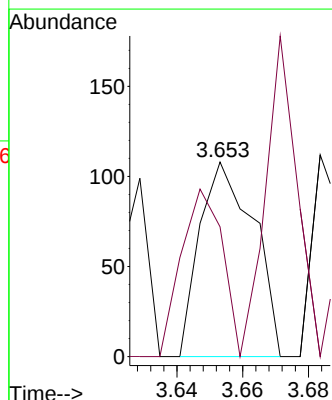
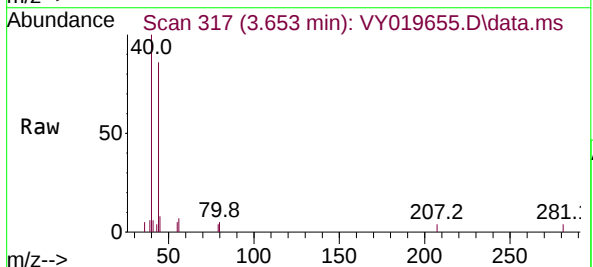
Acq: 20 Sep 2024 18:53

Tgt Ion: 56 Resp: 124

Ion Ratio Lower Upper

56 100

55 64.5 55.7 83.5

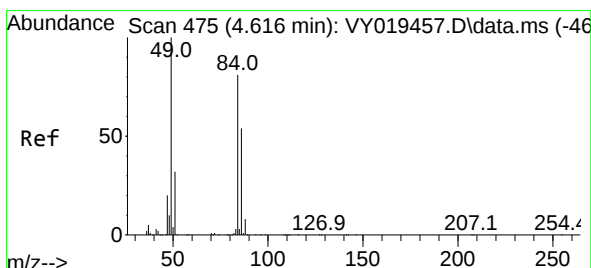
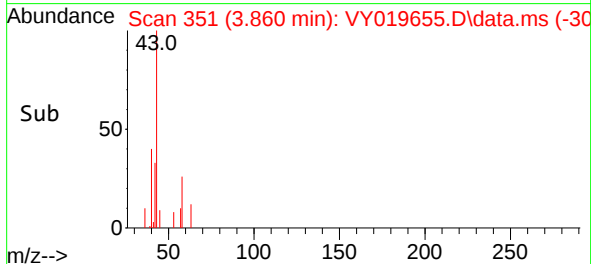
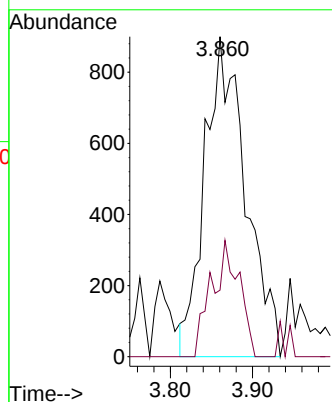
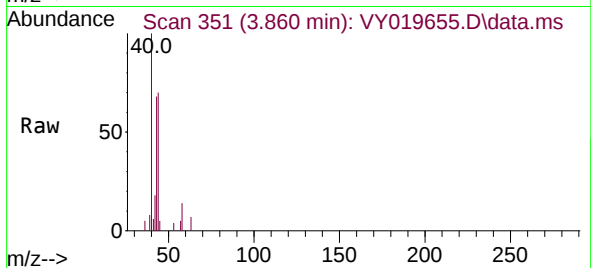




#16  
Acetone  
Concen: 3.811 ug/l  
RT: 3.860 min Scan# 311  
Delta R.T. -0.012 min  
Lab File: VY019655.D  
Acq: 20 Sep 2024 18:53

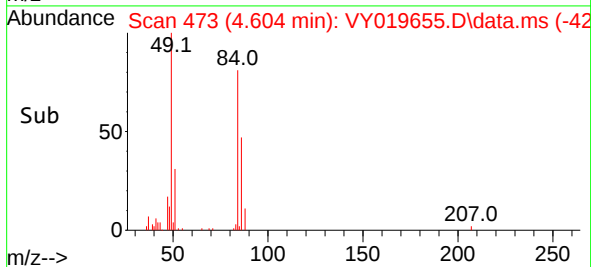
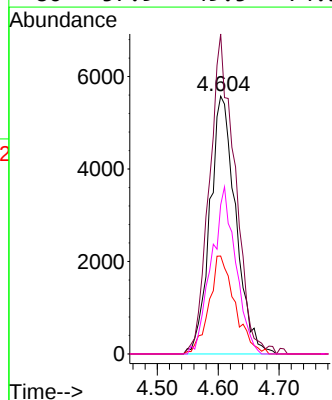
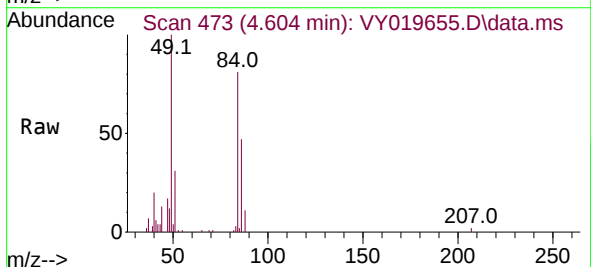
Instrument :  
MSVOA\_Y  
ClientSampleId :

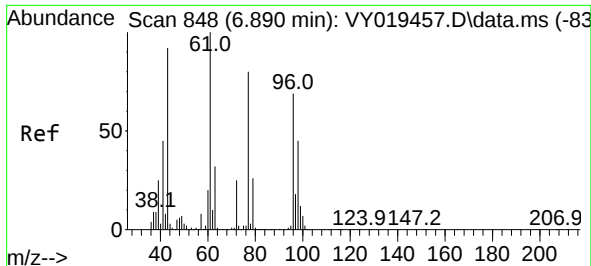
Tgt Ion: 43 Resp: 3118  
Ion Ratio Lower Upper  
43 100  
58 20.8 31.7 47.5#



#20  
Methylene Chloride  
Concen: 4.389 ug/l  
RT: 4.604 min Scan# 473  
Delta R.T. -0.012 min  
Lab File: VY019655.D  
Acq: 20 Sep 2024 18:53

Tgt Ion: 84 Resp: 16376  
Ion Ratio Lower Upper  
84 100  
49 124.2 84.4 126.6  
51 38.0 26.0 39.0  
86 57.9 49.5 74.3





#25

2-Butanone

Concen: 3.017 ug/l

RT: 6.884 min Scan# 84

Delta R.T. -0.006 min

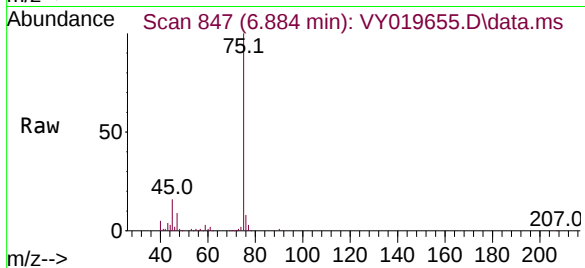
Lab File: VY019655.D

Acq: 20 Sep 2024 18:53

Instrument :

MSVOA\_Y

ClientSampleId :

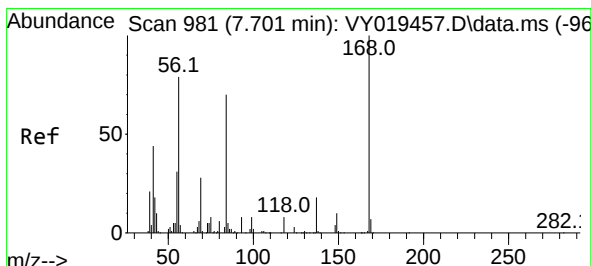
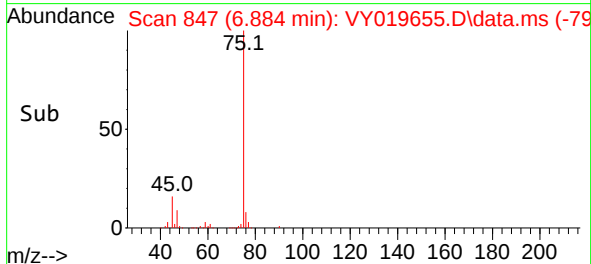
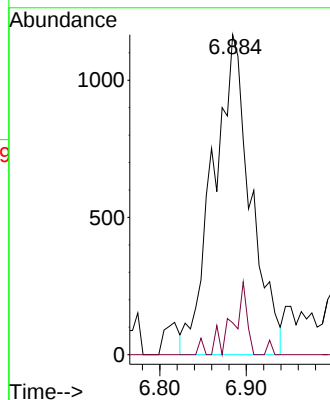


Tgt Ion: 43 Resp: 3510

Ion Ratio Lower Upper

43 100

72 10.6 27.3 40.9#



#31

Cyclohexane

Concen: 1.517 ug/l

RT: 7.695 min Scan# 980

Delta R.T. -0.006 min

Lab File: VY019655.D

Acq: 20 Sep 2024 18:53

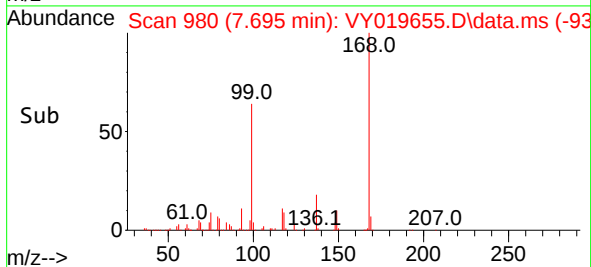
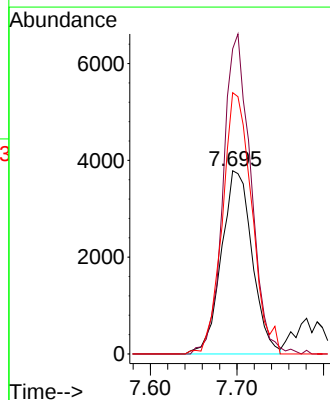
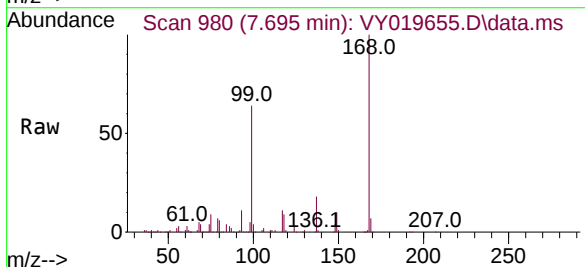
Tgt Ion: 56 Resp: 9323

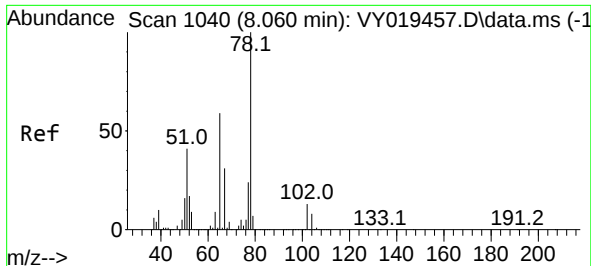
Ion Ratio Lower Upper

56 100

69 166.6 28.7 43.1#

84 142.7 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 65.252 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY019655.D

Acq: 20 Sep 2024 18:53

Instrument :

MSVOA\_Y

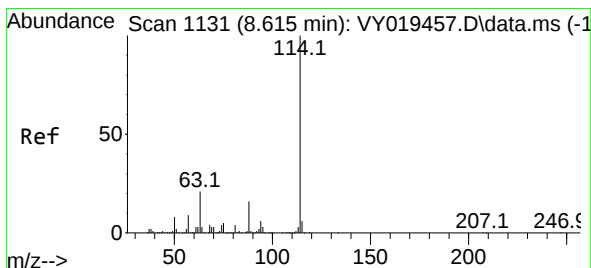
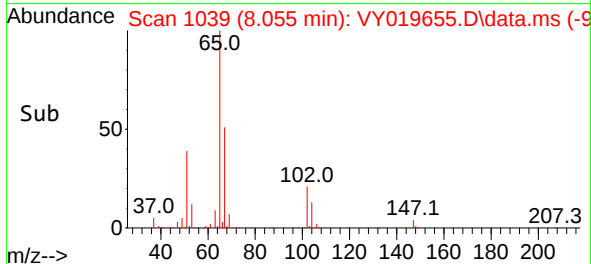
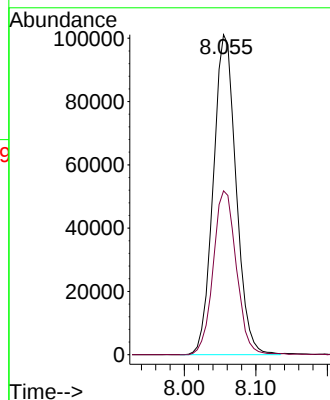
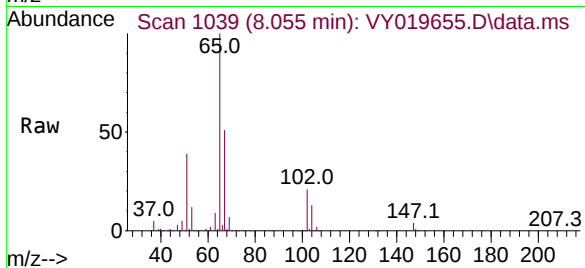
ClientSampleId :

Tgt Ion: 65 Resp: 224073

Ion Ratio Lower Upper

65 100

67 52.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY019655.D

Acq: 20 Sep 2024 18:53

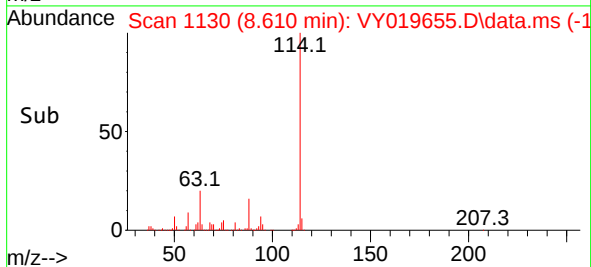
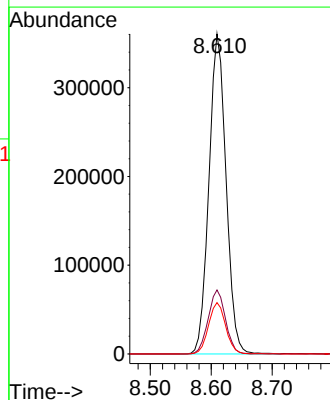
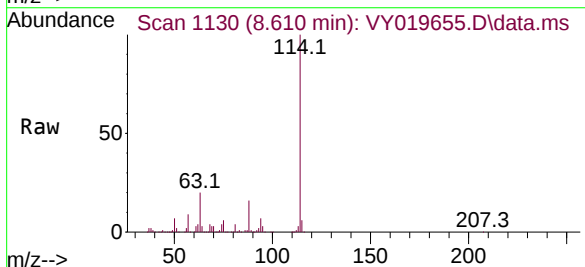
Tgt Ion: 114 Resp: 704068

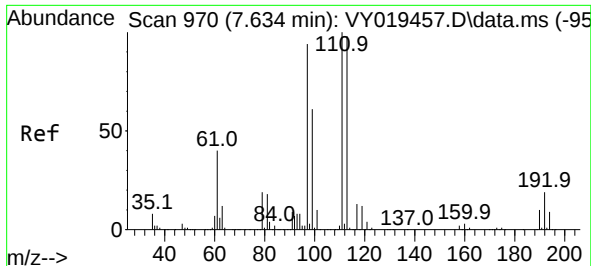
Ion Ratio Lower Upper

114 100

63 20.0 0.0 35.0

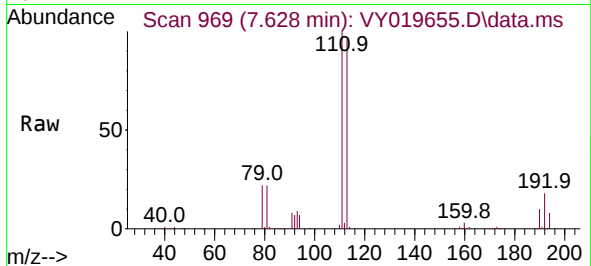
88 16.1 0.0 27.2



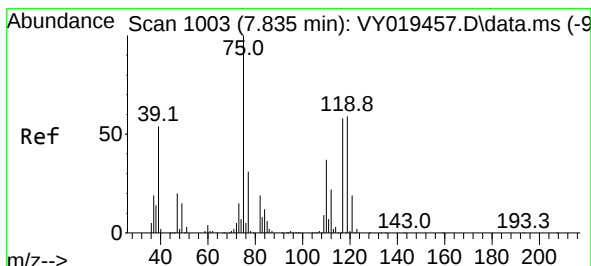
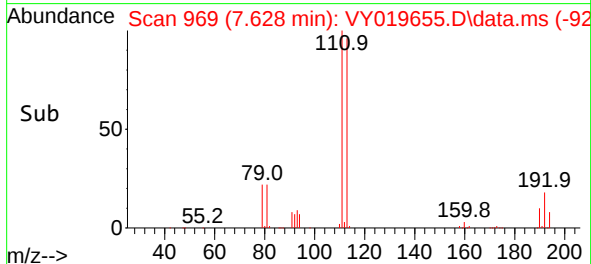
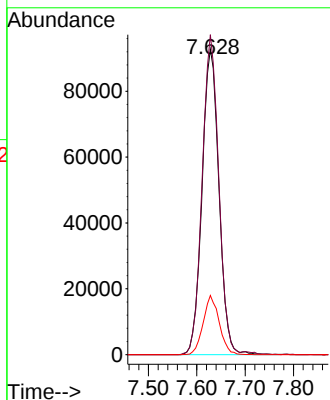


#35  
Dibromofluoromethane  
Concen: 56.413 ug/l  
RT: 7.628 min Scan# 90  
Delta R.T. -0.006 min  
Lab File: VY019655.D  
Acq: 20 Sep 2024 18:53

Instrument :  
MSVOA\_Y  
ClientSampleId :

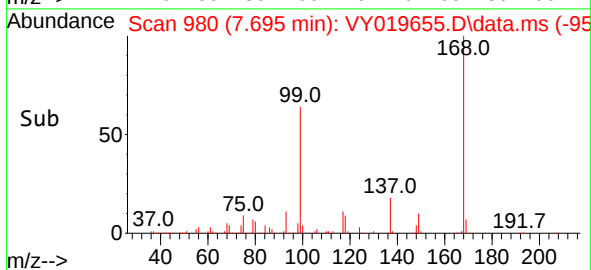
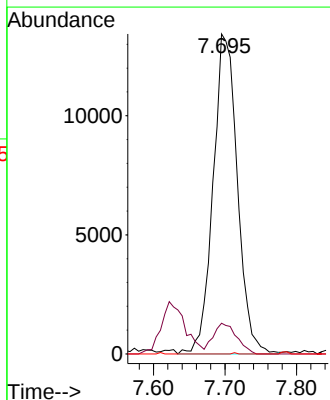
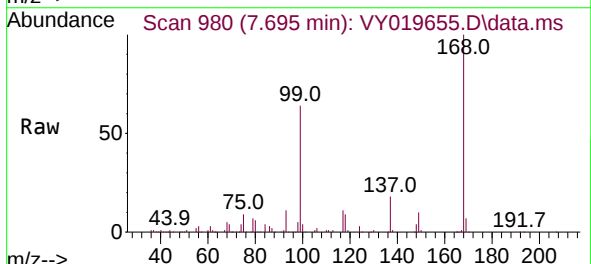


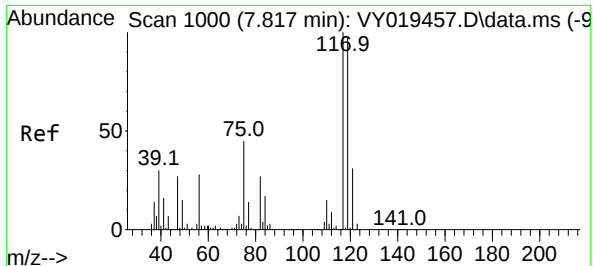
Tgt Ion:113 Resp: 225196  
Ion Ratio Lower Upper  
113 100  
111 102.4 82.2 123.4  
192 18.4 15.9 23.9



#36  
1,1-Dichloropropene  
Concen: 5.840 ug/l  
RT: 7.695 min Scan# 980  
Delta R.T. -0.140 min  
Lab File: VY019655.D  
Acq: 20 Sep 2024 18:53

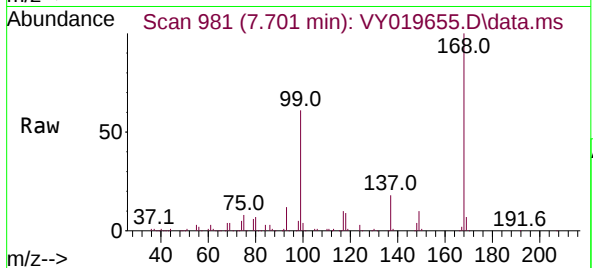
Tgt Ion: 75 Resp: 31722  
Ion Ratio Lower Upper  
75 100  
110 9.2 19.0 57.0#  
77 0.1 25.3 37.9#



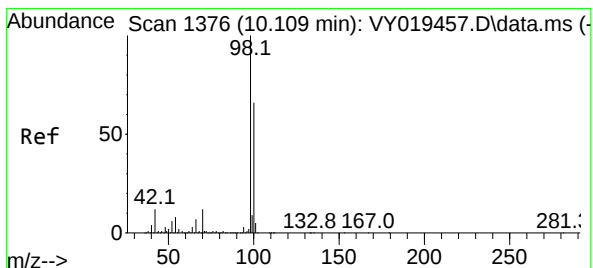
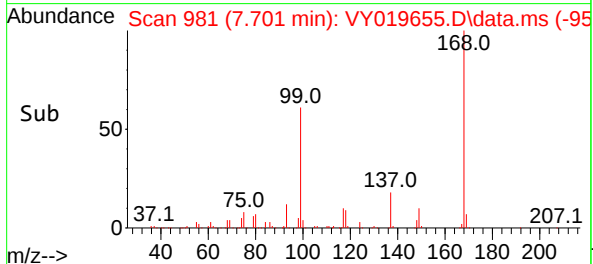
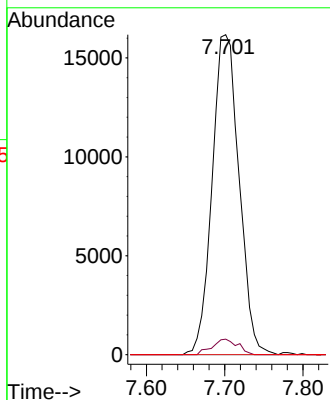


#38  
Carbon Tetrachloride  
Concen: 6.306 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. -0.115 min  
Lab File: VY019655.D  
Acq: 20 Sep 2024 18:53

Instrument :  
MSVOA\_Y  
ClientSampleId :

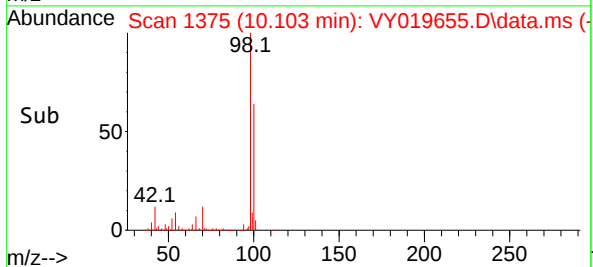
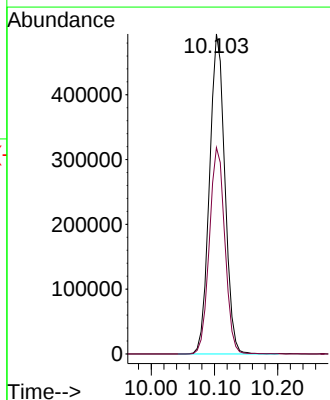
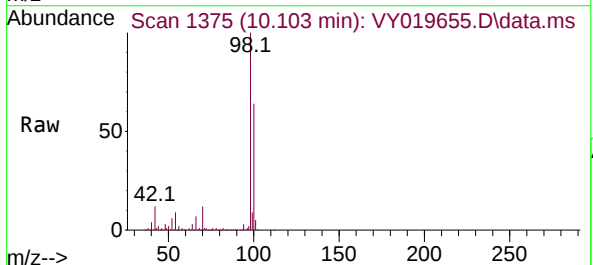


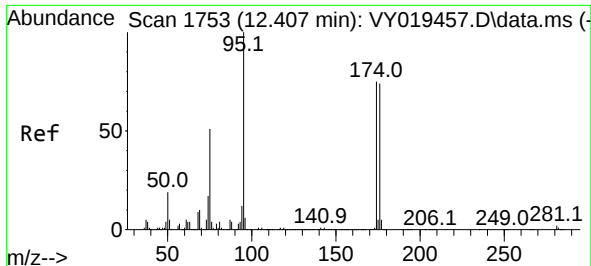
Tgt Ion:117 Resp: 38627  
Ion Ratio Lower Upper  
117 100  
119 4.9 75.8 113.6#  
121 0.0 24.0 36.0#



#50  
Toluene-d8  
Concen: 56.307 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. -0.006 min  
Lab File: VY019655.D  
Acq: 20 Sep 2024 18:53

Tgt Ion: 98 Resp: 831389  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.0 78.0

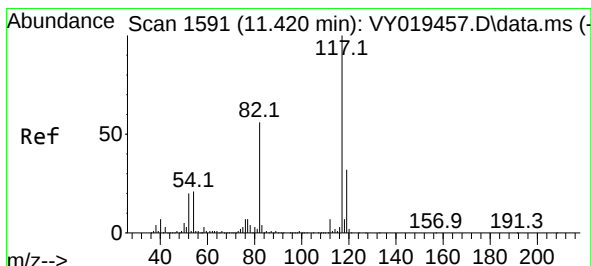
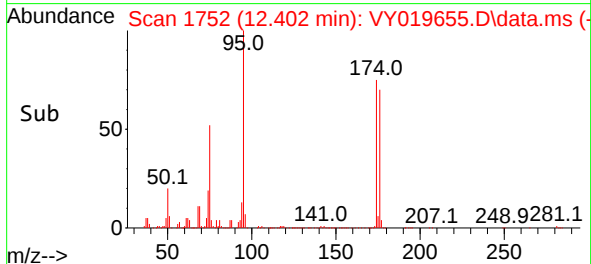
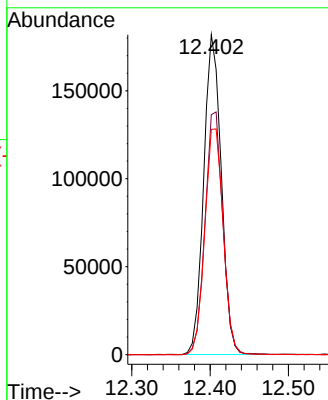
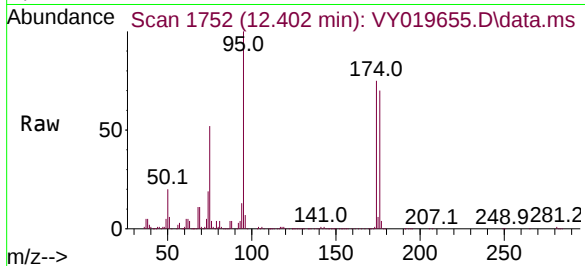




#62  
4-Bromofluorobenzene  
Concen: 49.768 ug/l  
RT: 12.402 min Scan# 1753  
Delta R.T. -0.006 min  
Lab File: VY019655.D  
Acq: 20 Sep 2024 18:53

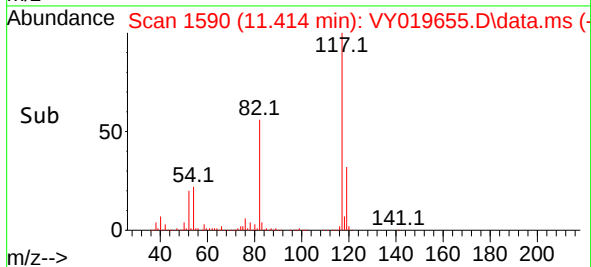
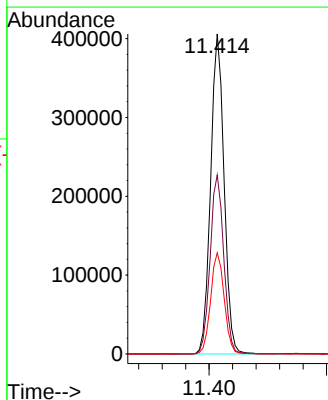
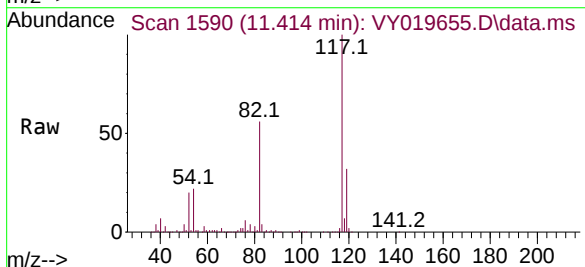
Instrument :  
MSVOA\_Y  
ClientSampleId :

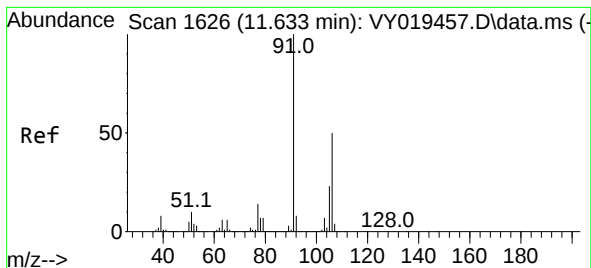
Tgt Ion: 95 Resp: 282550  
Ion Ratio Lower Upper  
95 100  
174 77.2 0.0 175.6  
176 74.5 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. -0.006 min  
Lab File: VY019655.D  
Acq: 20 Sep 2024 18:53

Tgt Ion: 117 Resp: 645409  
Ion Ratio Lower Upper  
117 100  
82 56.0 42.4 63.6  
119 31.6 25.9 38.9





#68

m/p-Xylenes

Concen: 1.692 ug/l

RT: 11.621 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY019655.D

Acq: 20 Sep 2024 18:53

Instrument :

MSVOA\_Y

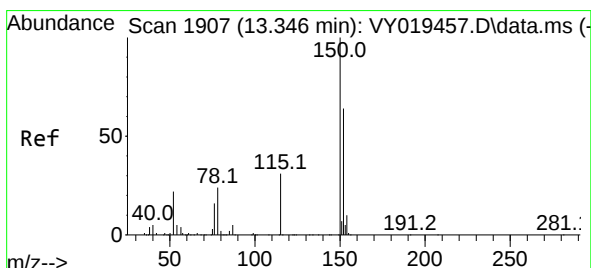
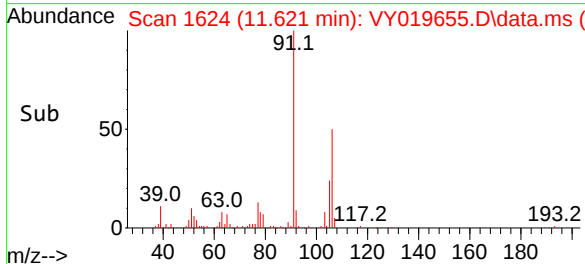
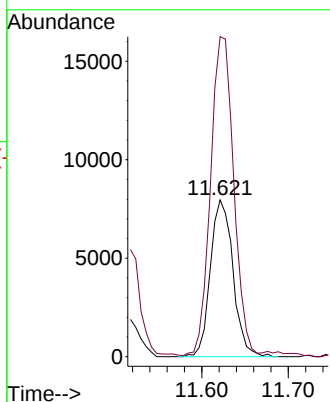
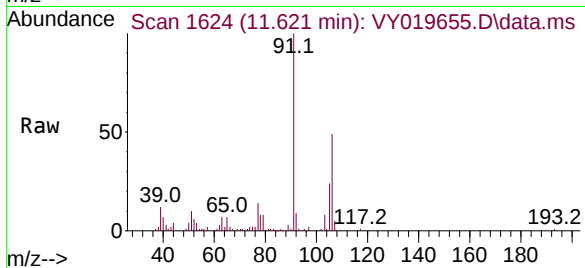
ClientSampleId :

Tgt Ion:106 Resp: 14433

Ion Ratio Lower Upper

106 100

91 210.6 156.0 234.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019655.D

Acq: 20 Sep 2024 18:53

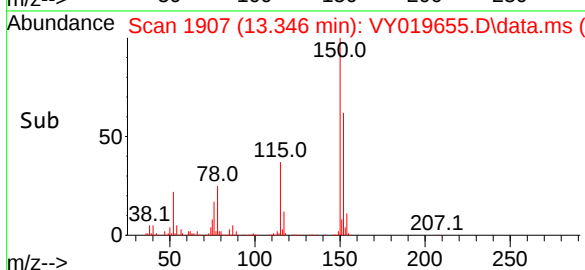
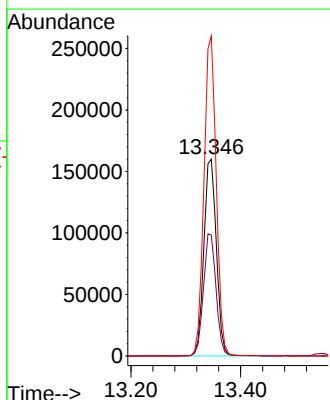
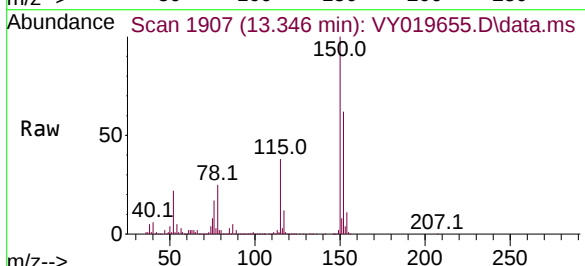
Tgt Ion:152 Resp: 252612

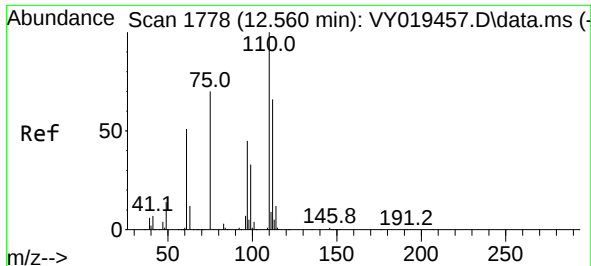
Ion Ratio Lower Upper

152 100

115 62.5 28.2 84.7

150 159.1 0.0 345.6

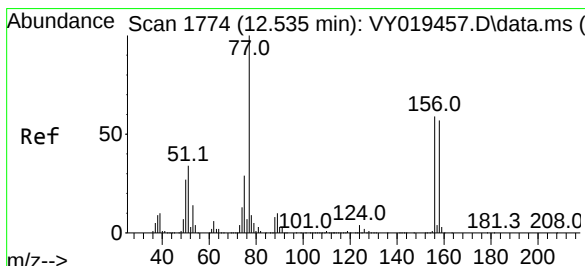
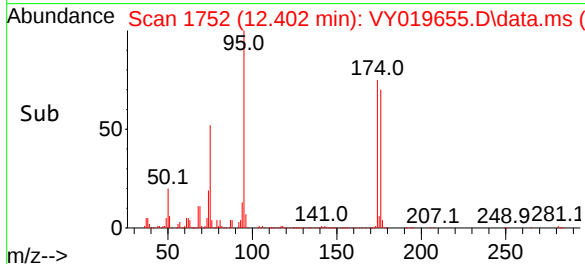
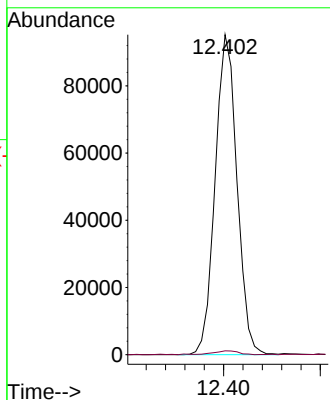
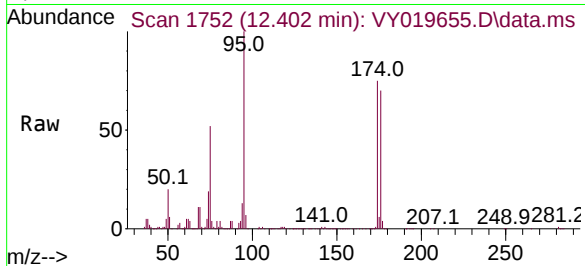




#76  
1,2,3-Trichloropropane  
Concen: 62.930 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. -0.158 min  
Lab File: VY019655.D  
Acq: 20 Sep 2024 18:53

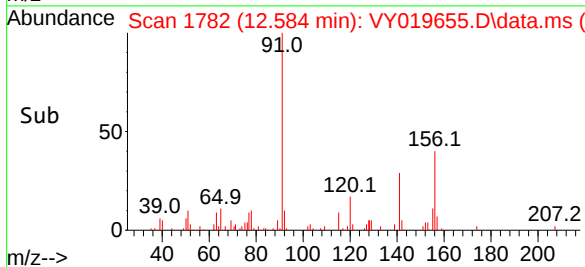
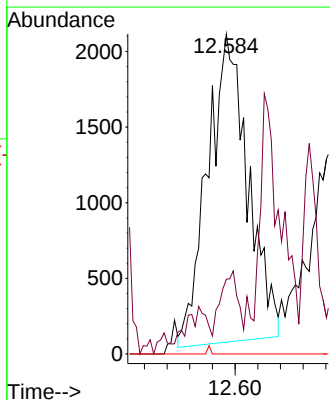
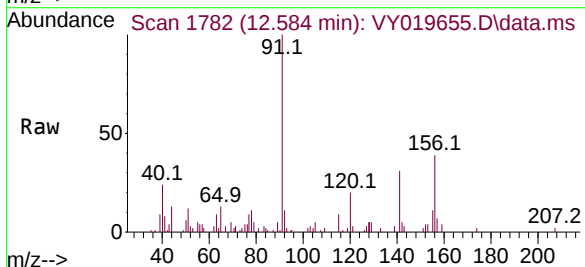
Instrument :  
MSVOA\_Y  
ClientSampleId :

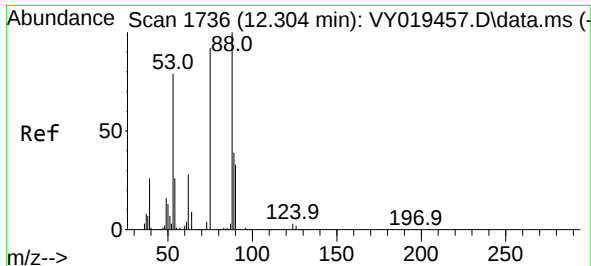
Tgt Ion: 75 Resp: 149000  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#77  
Bromobenzene  
Concen: 2.465 ug/l  
RT: 12.584 min Scan# 1782  
Delta R.T. 0.049 min  
Lab File: VY019655.D  
Acq: 20 Sep 2024 18:53

Tgt Ion: 156 Resp: 10019  
Ion Ratio Lower Upper  
156 100  
77 8.7 87.1 261.3#  
158 0.0 48.6 145.9#

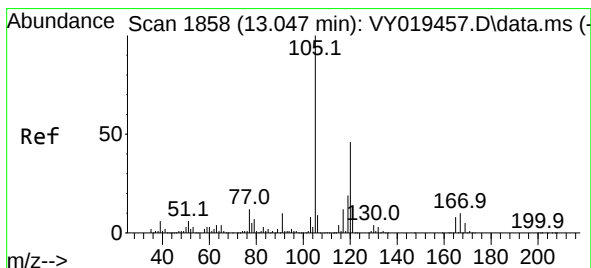
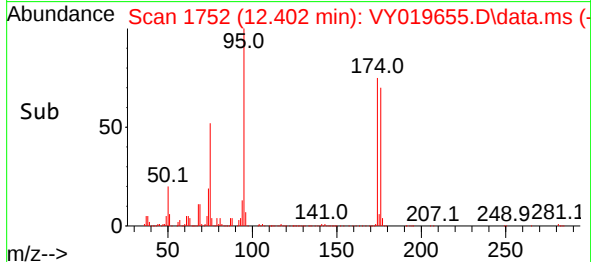
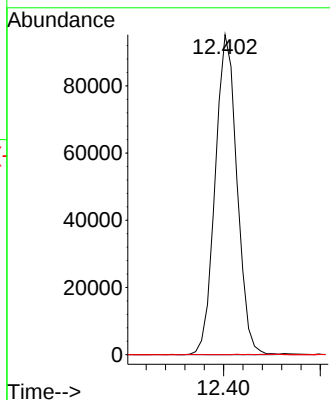
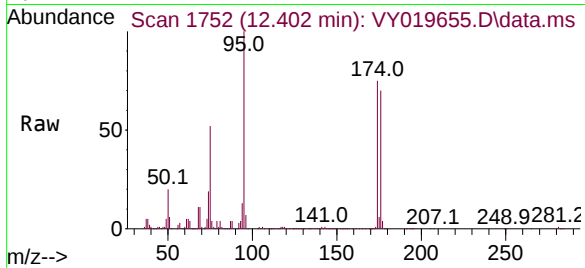




#81  
trans-1,4-Dichloro-2-butene  
Concen: 120.807 ug/l  
RT: 12.402 min Scan# 11  
Delta R.T. 0.098 min  
Lab File: VY019655.D  
Acq: 20 Sep 2024 18:53

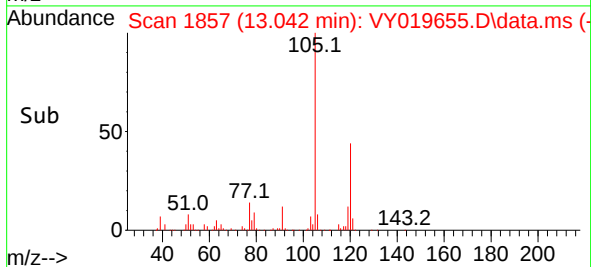
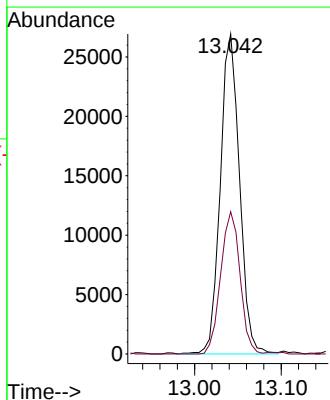
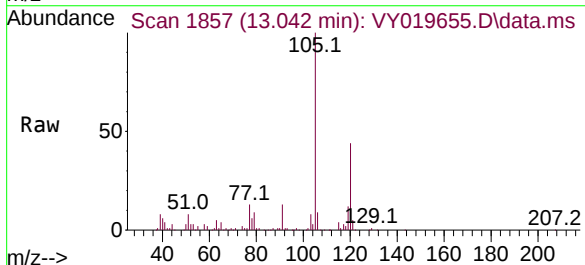
Instrument :  
MSVOA\_Y  
ClientSampleId :

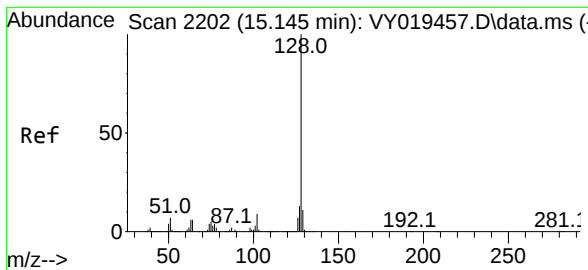
Tgt Ion: 75 Resp: 149000  
Ion Ratio Lower Upper  
75 100  
53 0.0 66.8 100.2#  
89 0.1 35.8 53.6#



#84  
1,2,4-Trimethylbenzene  
Concen: 2.816 ug/l  
RT: 13.042 min Scan# 1857  
Delta R.T. -0.006 min  
Lab File: VY019655.D  
Acq: 20 Sep 2024 18:53

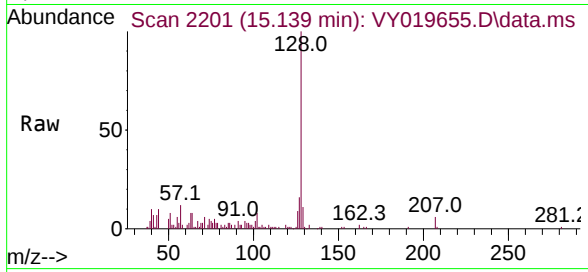
Tgt Ion: 105 Resp: 41532  
Ion Ratio Lower Upper  
105 100  
120 44.8 23.2 69.6





#95  
Naphthalene  
Concen: 2.128 ug/l  
RT: 15.139 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VY019655.D  
Acq: 20 Sep 2024 18:53

Instrument :  
MSVOA\_Y  
ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 18267 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 15.2  | 10.6  | 16.0  |
| 129       | 13.5  | 8.6   | 13.0  |

