

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121924\  
 Data File : VY020653.D  
 Acq On : 19 Dec 2024 14:26  
 Operator : SY/MD  
 Sample : P5306-03  
 Misc : 5.83g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Dec 20 00:54:28 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121724S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 18 05:27:13 2024  
 Response via : Initial Calibration

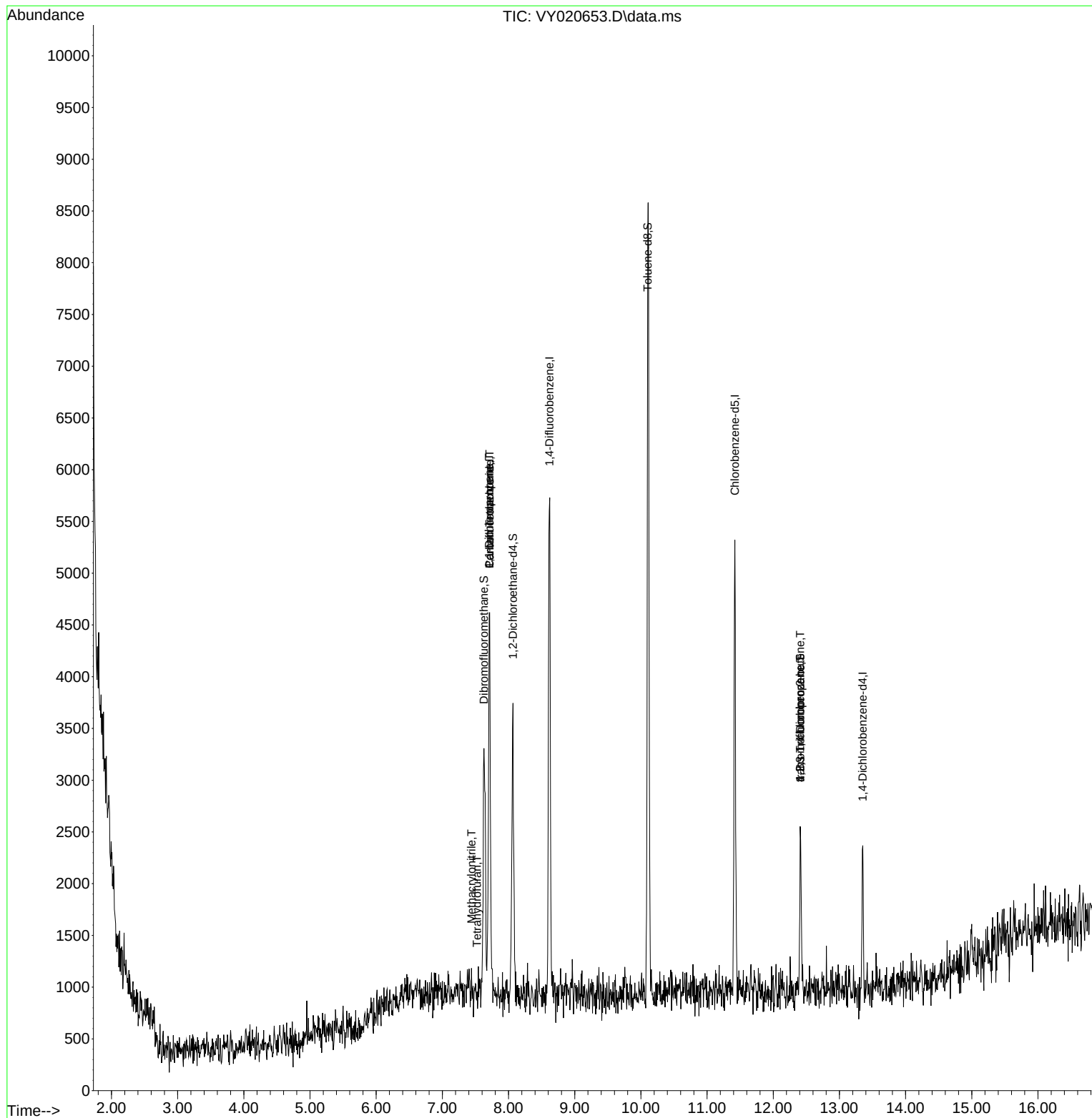
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.713     | 168   | 3349     | 50.000   | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.616     | 114   | 4785     | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.420    | 117   | 2718     | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.353    | 152   | 484      | 50.000   | ug/l       | 0.00     |
|                               |           |       |          |          |            |          |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.067     | 65    | 2142     | 58.399   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | = 116.800% |          |
| 35) Dibromofluoromethane      | 7.628     | 113   | 1848     | 54.799   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | = 109.600% |          |
| 50) Toluene-d8                | 10.103    | 98    | 5682     | 48.137   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery | = 96.280%  |          |
| 62) 4-Bromofluorobenzene      | 12.408    | 95    | 586      | 12.691   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 29 - 146 | Recovery | = 25.380%# |          |
|                               |           |       |          |          |            |          |
| Target Compounds              |           |       |          |          |            | Qvalue   |
| 29) Tetrahydrofuran           | 7.524     | 42    | 19       | 2.208    | ug/l       | # 34     |
| 36) 1,1-Dichloropropene       | 7.707     | 75    | 228      | 3.708    | ug/l       | # 42     |
| 38) Carbon Tetrachloride      | 7.713     | 117   | 273      | 4.013    | ug/l       | # 11     |
| 41) Methacrylonitrile         | 7.439     | 41    | 19       | 1.242    | ug/l       | # 19     |
| 76) 1,2,3-Trichloropropane    | 12.408    | 75    | 365      | 72.596   | ug/l       | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.408    | 75    | 365      | 152.382  | ug/l       | # 12     |
| -----                         |           |       |          |          |            |          |

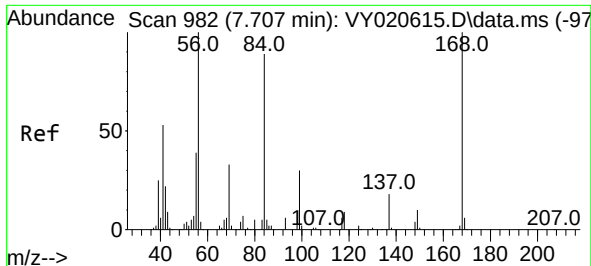
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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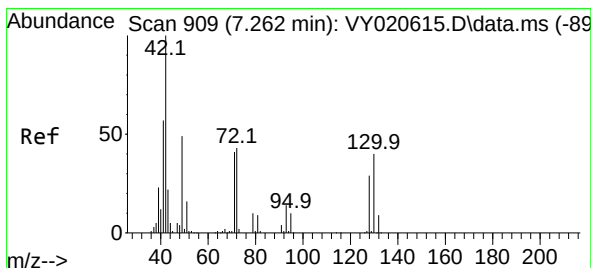
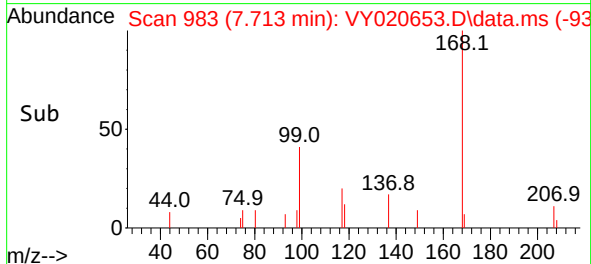
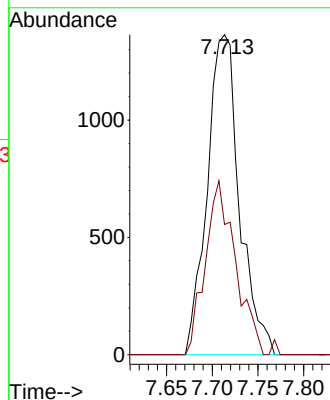
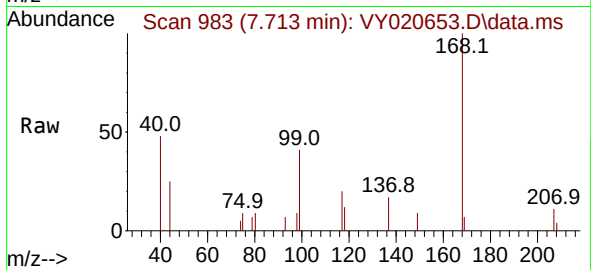




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY020653.D  
Acq: 19 Dec 2024 14:26

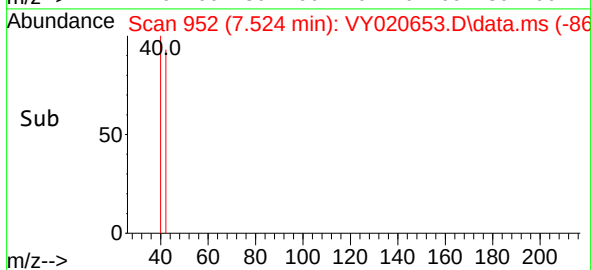
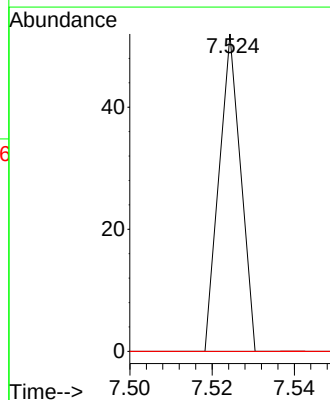
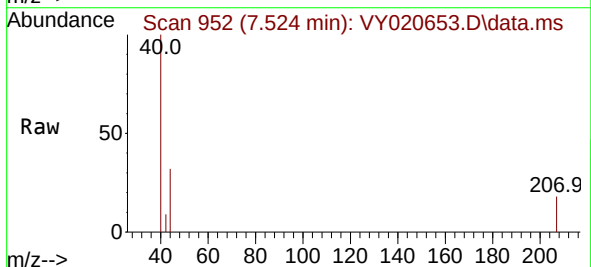
Instrument :  
MSVOA\_Y  
ClientSampleId :

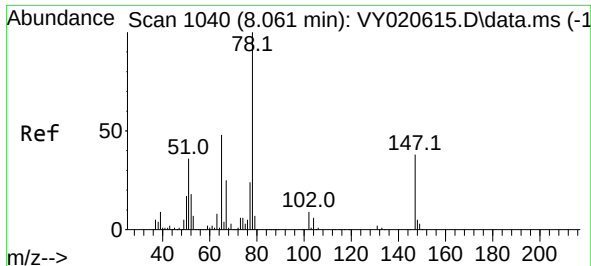
Tgt Ion:168 Resp: 3349  
Ion Ratio Lower Upper  
168 100  
99 40.7 47.0 70.6#



#29  
Tetrahydrofuran  
Concen: 2.208 ug/l  
RT: 7.524 min Scan# 952  
Delta R.T. 0.262 min  
Lab File: VY020653.D  
Acq: 19 Dec 2024 14:26

Tgt Ion: 42 Resp: 19  
Ion Ratio Lower Upper  
42 100  
72 0.0 34.0 51.0#  
71 0.0 31.6 47.4#





#33

1,2-Dichloroethane-d4

Concen: 58.399 ug/l

RT: 8.067 min Scan# 11041

Delta R.T. 0.006 min

Lab File: VY020653.D

Acq: 19 Dec 2024 14:26

Instrument :

MSVOA\_Y

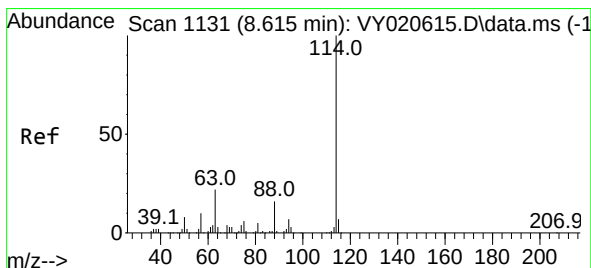
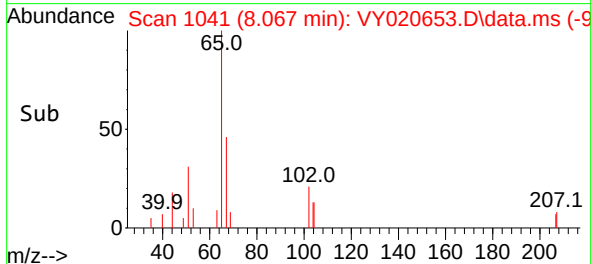
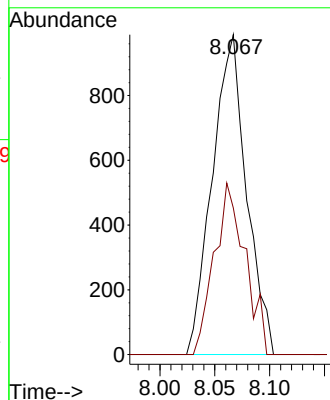
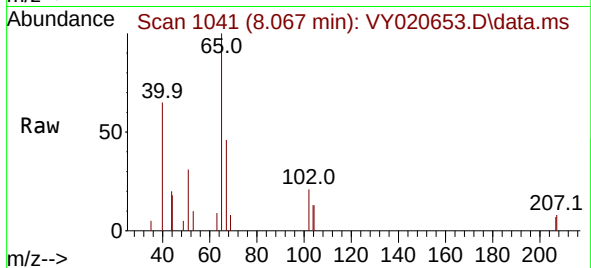
ClientSampleId :

Tgt Ion: 65 Resp: 2142

Ion Ratio Lower Upper

65 100

67 48.4 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY020653.D

Acq: 19 Dec 2024 14:26

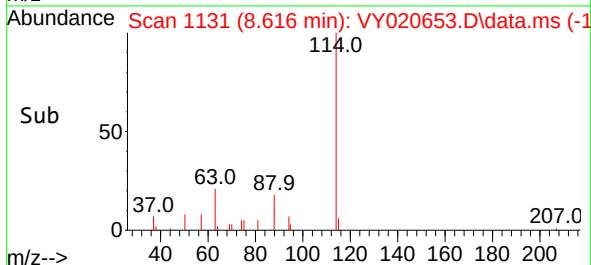
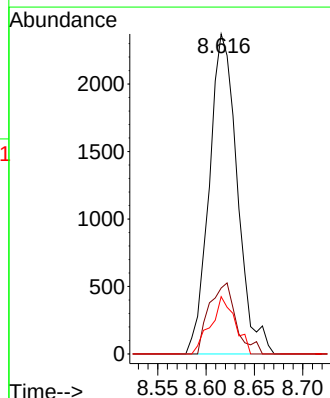
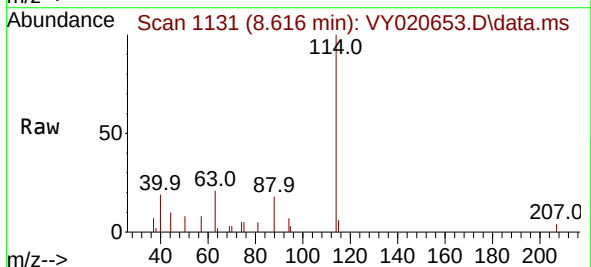
Tgt Ion: 114 Resp: 4785

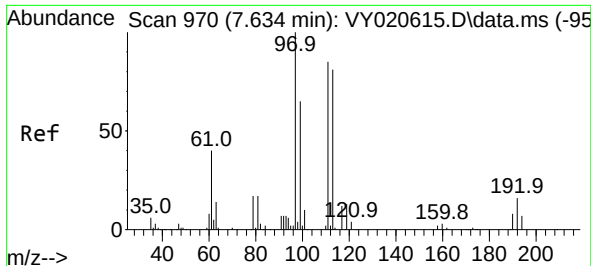
Ion Ratio Lower Upper

114 100

63 20.6 0.0 44.0

88 17.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 54.799 ug/l

RT: 7.628 min Scan# 91

Delta R.T. -0.006 min

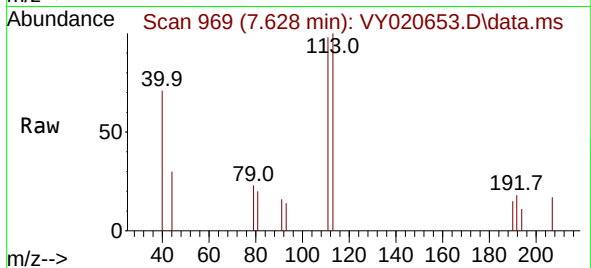
Lab File: VY020653.D

Acq: 19 Dec 2024 14:26

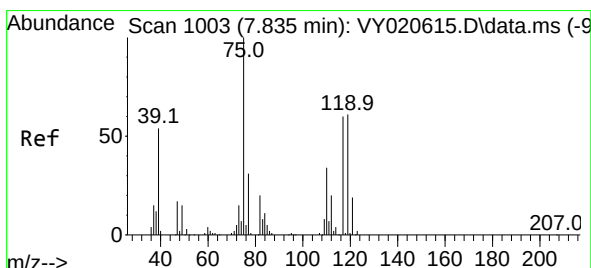
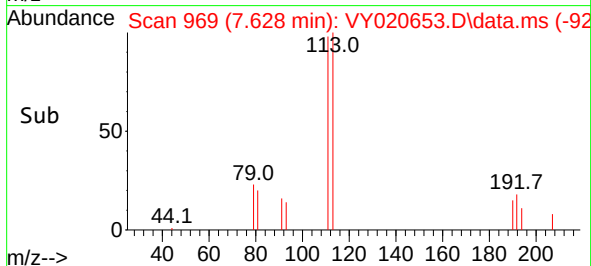
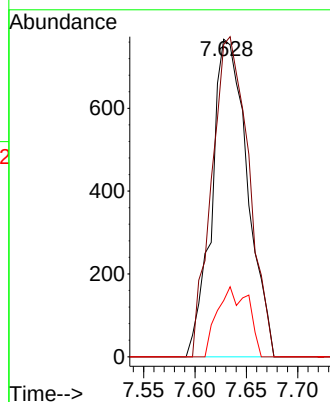
Instrument :

MSVOA\_Y

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 1848  |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 104.3 | 82.9  | 124.3 |
| 192      | 19.2  | 15.7  | 23.5  |



#36

1,1-Dichloropropene

Concen: 3.708 ug/l

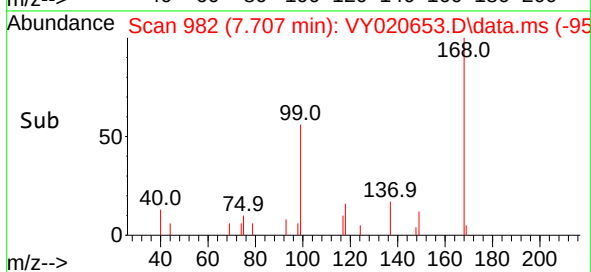
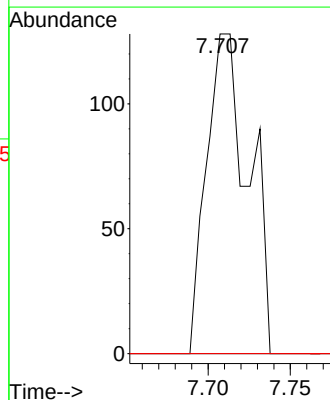
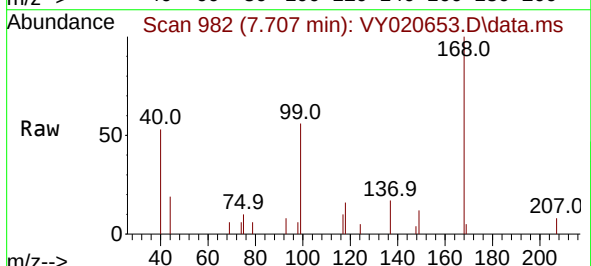
RT: 7.707 min Scan# 982

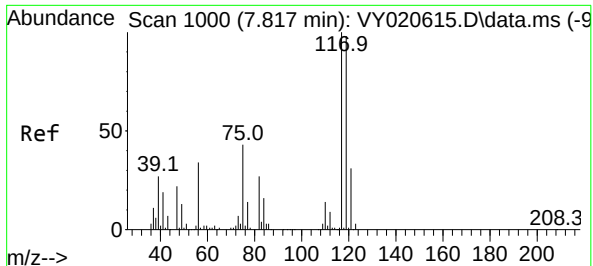
Delta R.T. -0.128 min

Lab File: VY020653.D

Acq: 19 Dec 2024 14:26

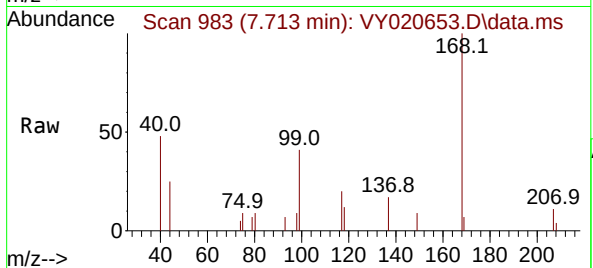
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 228   |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 0.0   | 16.8  | 50.4# |
| 77       | 0.0   | 25.0  | 37.6# |



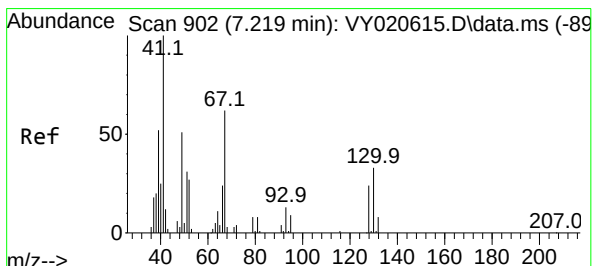
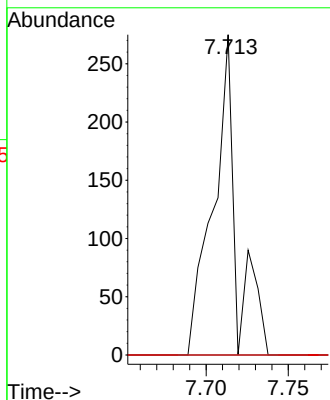
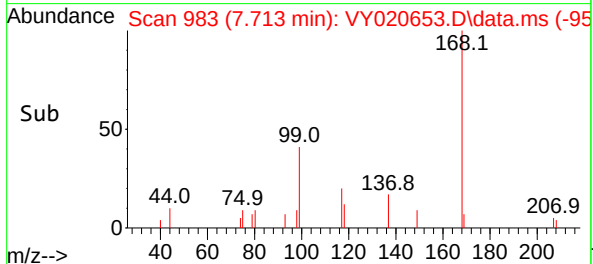


#38  
Carbon Tetrachloride  
Concen: 4.013 ug/l  
RT: 7.713 min Scan# 913  
Delta R.T. -0.103 min  
Lab File: VY020653.D  
Acq: 19 Dec 2024 14:26

Instrument :  
MSVOA\_Y  
ClientSampleId :

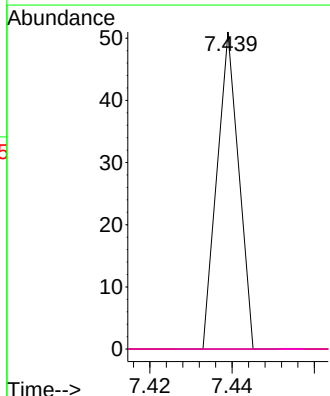
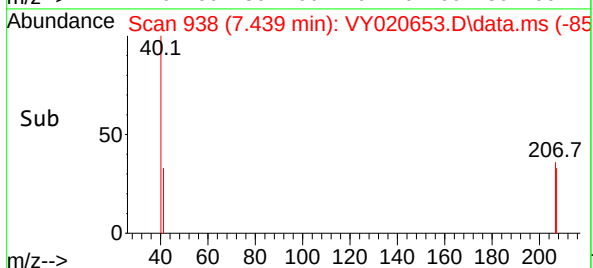
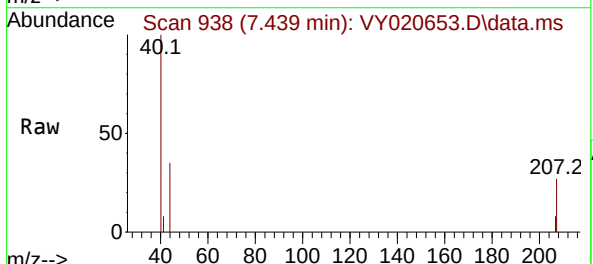


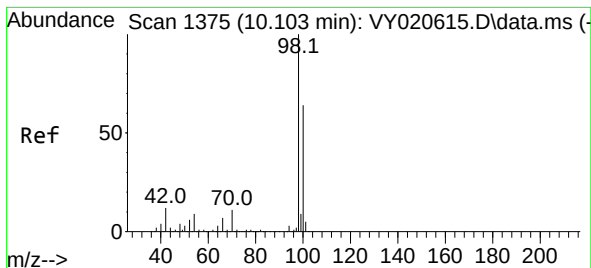
Tgt Ion: 117 Resp: 273  
Ion Ratio Lower Upper  
117 100  
119 0.0 78.3 117.5#  
121 0.0 25.1 37.7#



#41  
Methacrylonitrile  
Concen: 1.242 ug/l  
RT: 7.439 min Scan# 938  
Delta R.T. 0.220 min  
Lab File: VY020653.D  
Acq: 19 Dec 2024 14:26

Tgt Ion: 41 Resp: 19  
Ion Ratio Lower Upper  
41 100  
39 0.0 53.6 80.4#  
67 0.0 62.0 93.0#  
52 0.0 25.9 38.9#





#50

Toluene-d8

Concen: 48.137 ug/l

RT: 10.103 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY020653.D

Acq: 19 Dec 2024 14:26

Instrument :

MSVOA\_Y

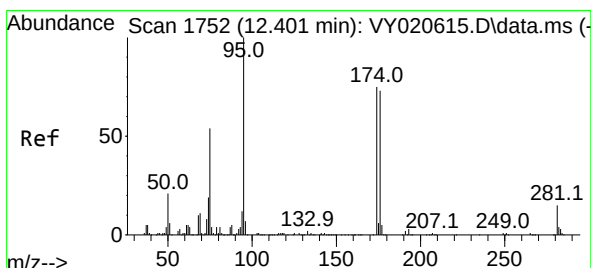
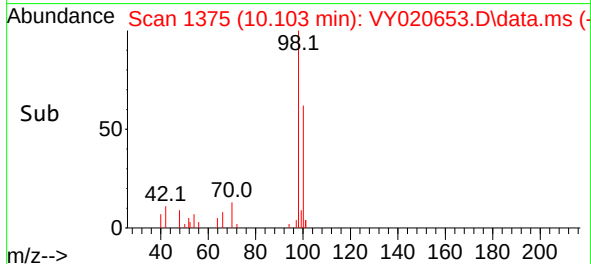
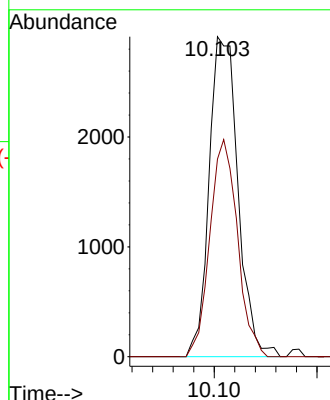
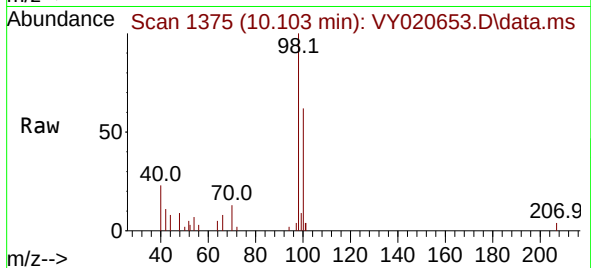
ClientSampleId :

Tgt Ion: 98 Resp: 5682

Ion Ratio Lower Upper

98 100

100 64.9 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 12.691 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY020653.D

Acq: 19 Dec 2024 14:26

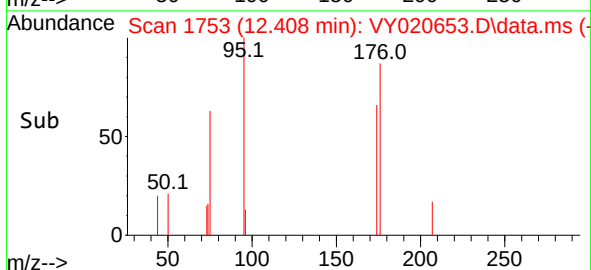
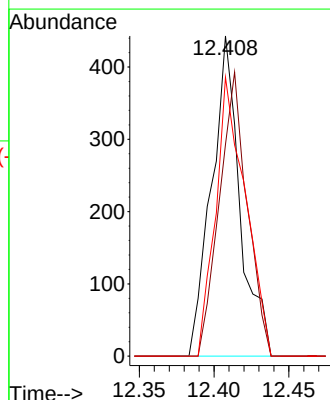
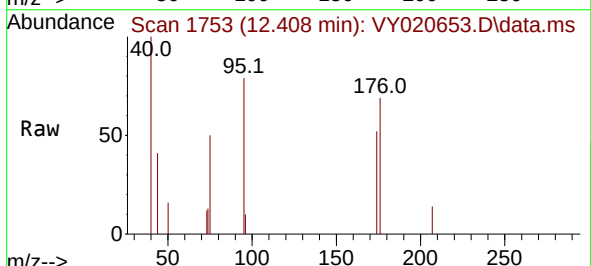
Tgt Ion: 95 Resp: 586

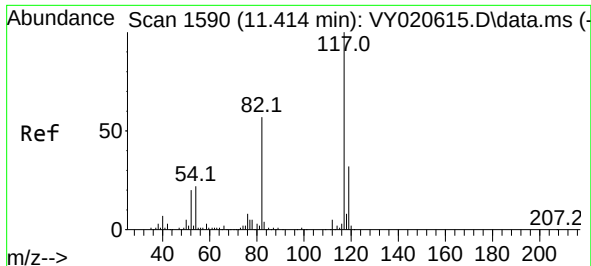
Ion Ratio Lower Upper

95 100

174 86.9 0.0 161.8

176 91.3 0.0 156.6

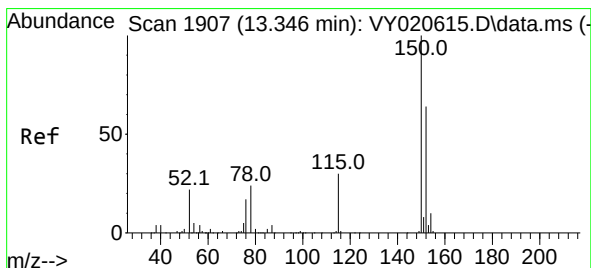
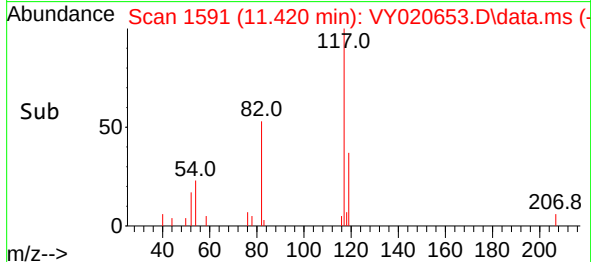
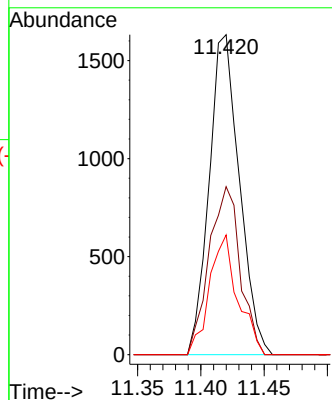
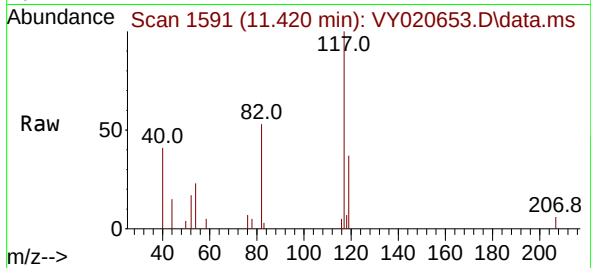




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY020653.D  
Acq: 19 Dec 2024 14:26

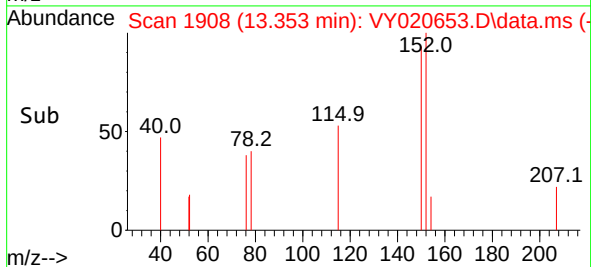
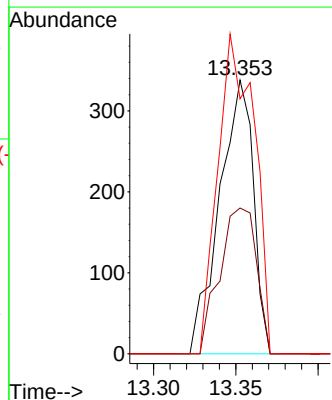
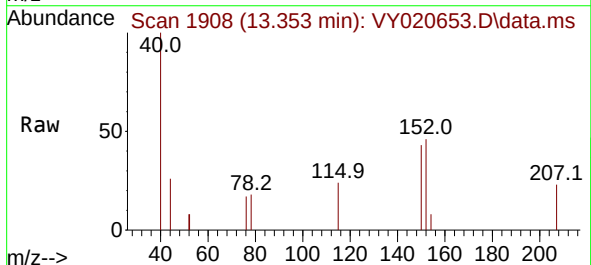
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:117 Resp: 2718  
Ion Ratio Lower Upper  
117 100  
82 52.5 45.8 68.6  
119 37.4 25.3 37.9

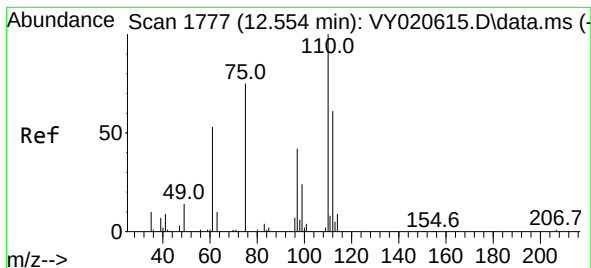


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.353 min Scan# 1908  
Delta R.T. 0.006 min  
Lab File: VY020653.D  
Acq: 19 Dec 2024 14:26

Tgt Ion:152 Resp: 484  
Ion Ratio Lower Upper  
152 100  
115 58.3 30.2 90.6  
150 125.2 0.0 355.4







#76

1,2,3-Trichloropropane

Concen: 72.596 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY020653.D

Acq: 19 Dec 2024 14:26

Instrument :

MSVOA\_Y

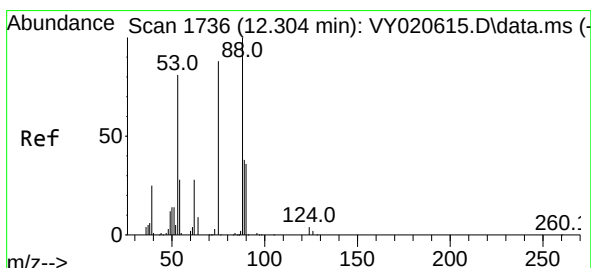
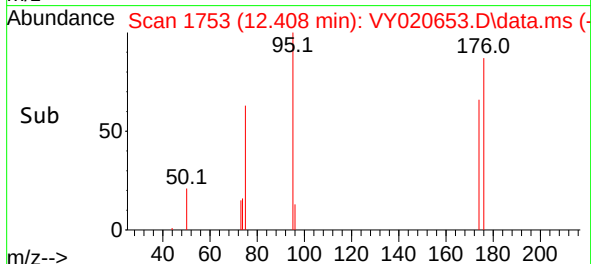
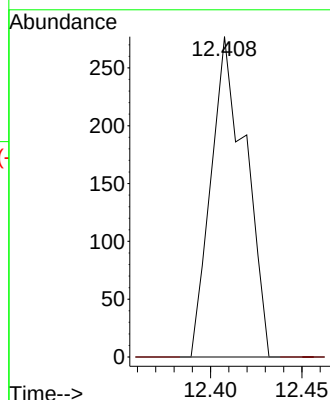
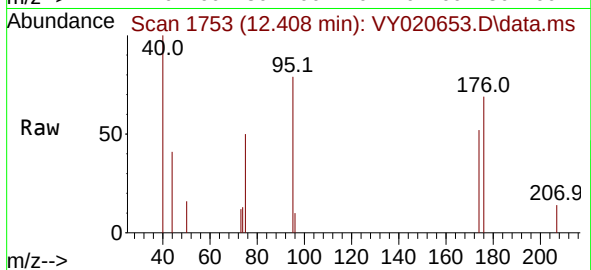
ClientSampleId :

Tgt Ion: 75 Resp: 365

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#81

trans-1,4-Dichloro-2-butene

Concen: 152.382 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY020653.D

Acq: 19 Dec 2024 14:26

Tgt Ion: 75 Resp: 365

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.2#

89 0.0 37.0 55.4#

