

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081224\  
 Data File : VY019015.D  
 Acq On : 12 Aug 2024 20:28  
 Operator : SY/MD  
 Sample : P3518-25  
 Misc : 4.71g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OU4-TS-13-080724RE

Quant Time: Aug 13 01:20:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080824S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 09 04:24:33 2024  
 Response via : Initial Calibration

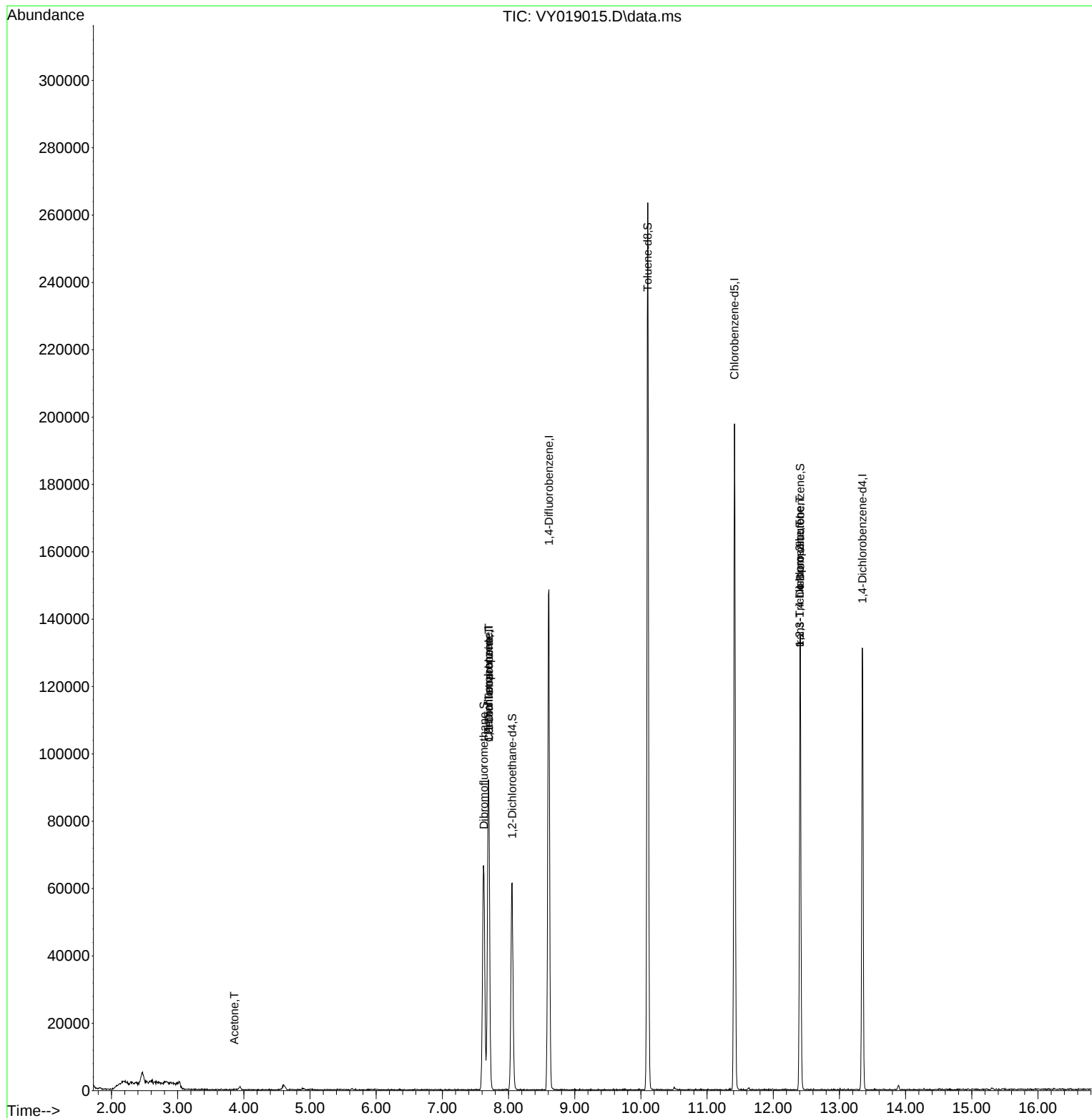
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.695  | 168   | 76037    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.610  | 114   | 127134   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.414 | 117   | 96286    | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.347 | 152   | 30637    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.055  | 65    | 38704    | 57.975    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 115.940% |          |
| 35) Dibromofluoromethane      | 7.628  | 113   | 43047    | 53.014    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 106.020% |          |
| 50) Toluene-d8                | 10.103 | 98    | 155638   | 49.902    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 99.800%  |          |
| 62) 4-Bromofluorobenzene      | 12.408 | 95    | 31912    | 34.488    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 68.980%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 3) Chloromethane              | 1.946  | 50    | 21       | Below Cal | #          | 43       |
| 11) Tert butyl alcohol        | 4.836  | 59    | 58       | Below Cal | #          | 88       |
| 13) Acrolein                  | 3.659  | 56    | 21       | Below Cal | #          | 1        |
| 16) Acetone                   | 3.854  | 43    | 119      | 13.181    | ug/l #     | 36       |
| 20) Methylene Chloride        | 4.610  | 84    | 534      | Below Cal | #          | 91       |
| 31) Cyclohexane               | 7.695  | 56    | 1992     | Below Cal | #          | 46       |
| 36) 1,1-Dichloropropene       | 7.701  | 75    | 5853     | 5.370     | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 7.701  | 117   | 7105     | 5.685     | ug/l #     | 17       |
| 41) Methacrylonitrile         | 7.171  | 41    | 24       | Below Cal | #          | 58       |
| 76) 1,2,3-Trichloropropane    | 12.402 | 75    | 18895    | 82.785    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.402 | 75    | 18895    | 170.587   | ug/l #     | 16       |
| -----                         |        |       |          |           |            |          |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081224\  
Data File : VY019015.D  
Acq On : 12 Aug 2024 20:28  
Operator : SY/MD  
Sample : P3518-25  
Misc : 4.71g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-TS-13-080724RE

Quant Time: Aug 13 01:20:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080824S.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 09 04:24:33 2024  
Response via : Initial Calibration

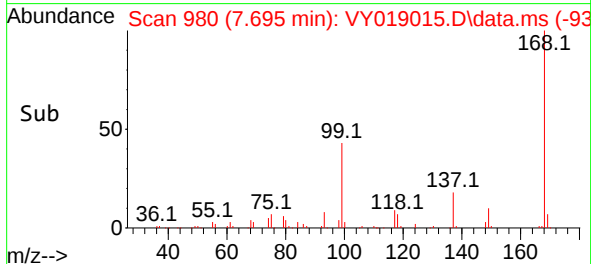
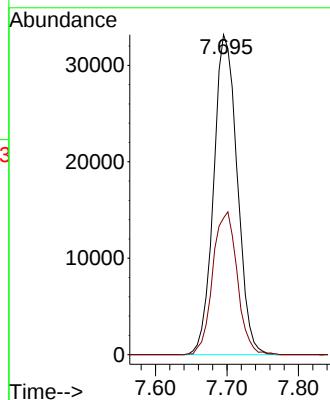
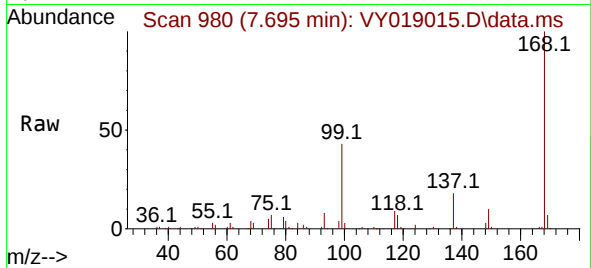




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.695 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY019015.D  
Acq: 12 Aug 2024 20:28

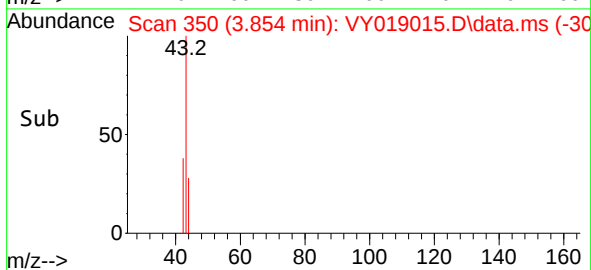
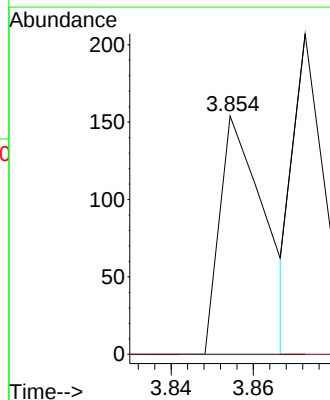
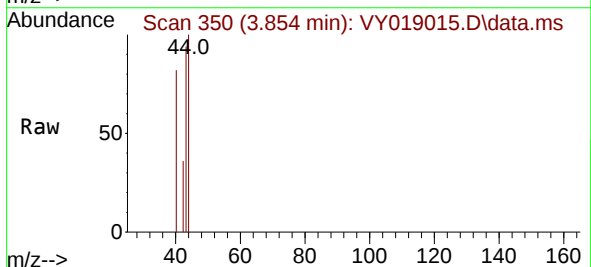
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-TS-13-080724RE

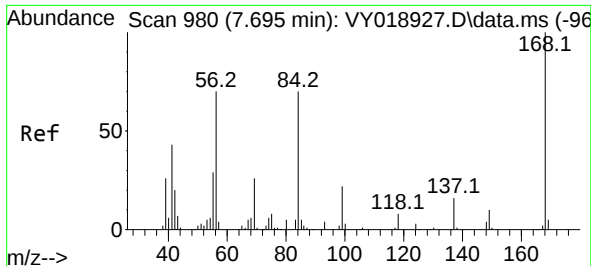
Tgt Ion:168 Resp: 76037  
Ion Ratio Lower Upper  
168 100  
99 42.7 39.1 58.7



#16  
Acetone  
Concen: 13.181 ug/l  
RT: 3.854 min Scan# 350  
Delta R.T. 0.000 min  
Lab File: VY019015.D  
Acq: 12 Aug 2024 20:28

Tgt Ion: 43 Resp: 119  
Ion Ratio Lower Upper  
43 100  
58 0.0 31.7 47.5#

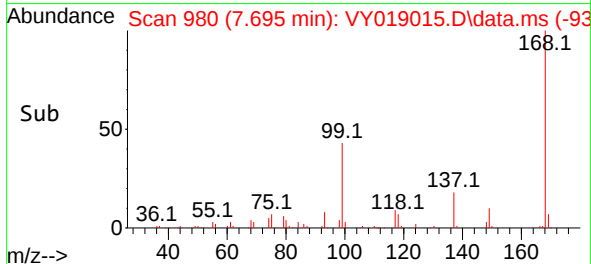
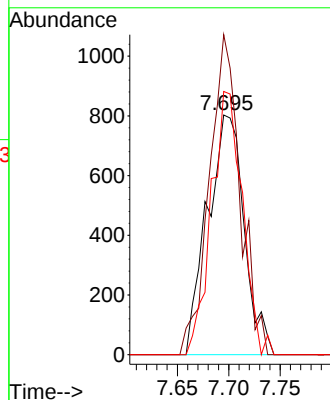
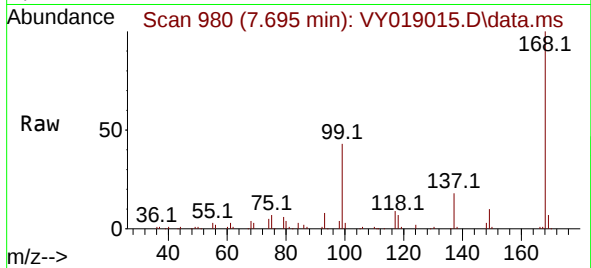




#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.695 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY019015.D  
Acq: 12 Aug 2024 20:28

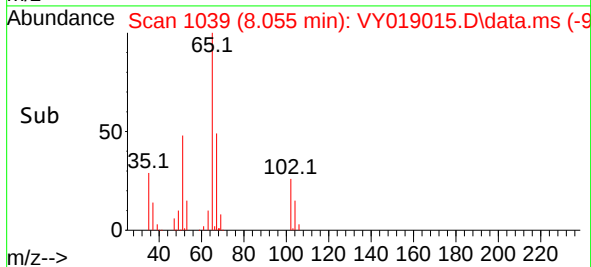
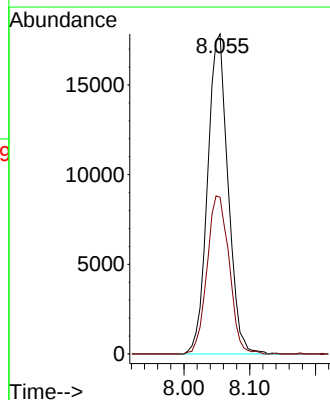
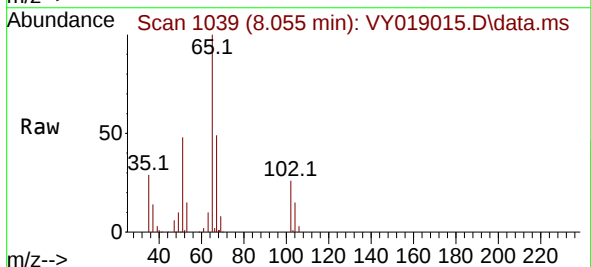
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-TS-13-080724RE

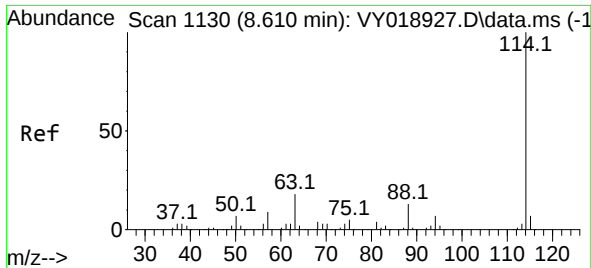
Tgt Ion: 56 Resp: 1992  
Ion Ratio Lower Upper  
56 100  
69 133.5 28.7 43.1#  
84 109.8 77.7 116.5



#33  
1,2-Dichloroethane-d4  
Concen: 57.975 ug/l  
RT: 8.055 min Scan# 1039  
Delta R.T. 0.000 min  
Lab File: VY019015.D  
Acq: 12 Aug 2024 20:28

Tgt Ion: 65 Resp: 38704  
Ion Ratio Lower Upper  
65 100  
67 53.3 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY019015.D

Acq: 12 Aug 2024 20:28

Instrument :

MSVOA\_Y

ClientSampleId :

OU4-TS-13-080724RE

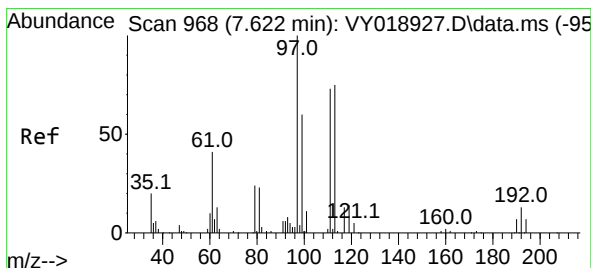
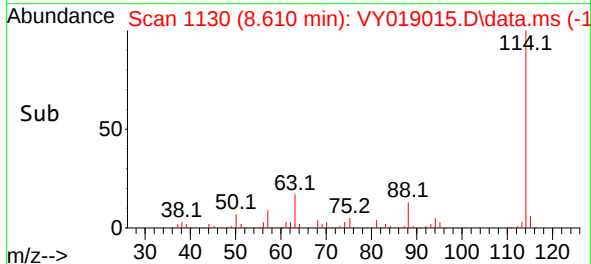
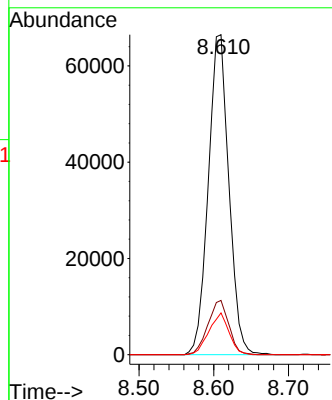
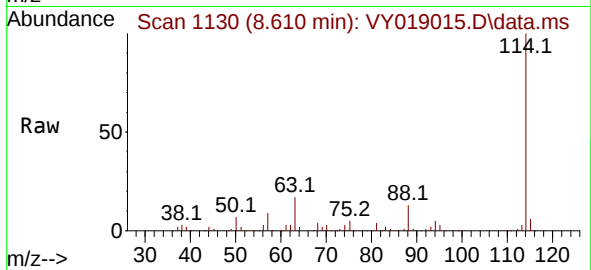
Tgt Ion:114 Resp: 127134

Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.0

88 13.0 0.0 27.2



#35

Dibromofluoromethane

Concen: 53.014 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY019015.D

Acq: 12 Aug 2024 20:28

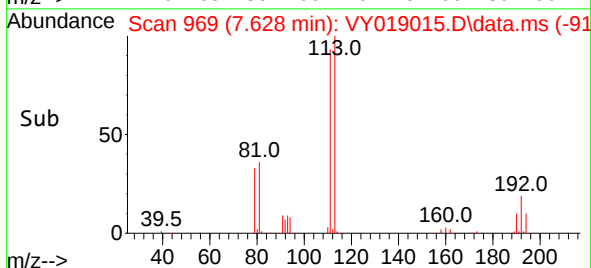
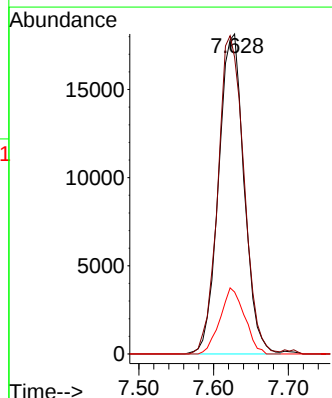
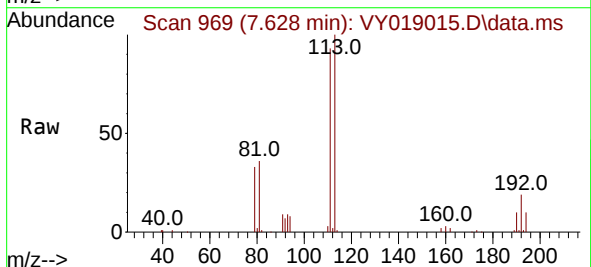
Tgt Ion:113 Resp: 43047

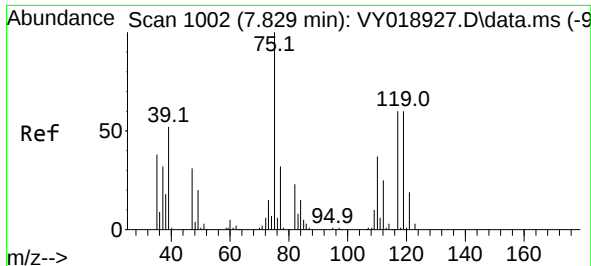
Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.4

192 19.8 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.370 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.128 min

Lab File: VY019015.D

Acq: 12 Aug 2024 20:28

Instrument :

MSVOA\_Y

ClientSampleId :

OU4-TS-13-080724RE

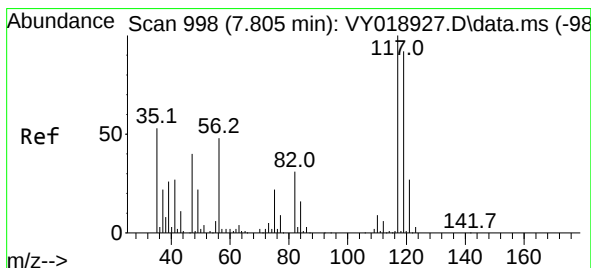
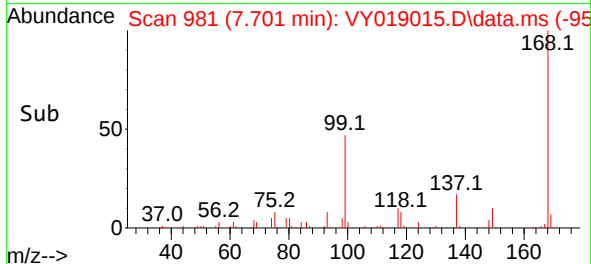
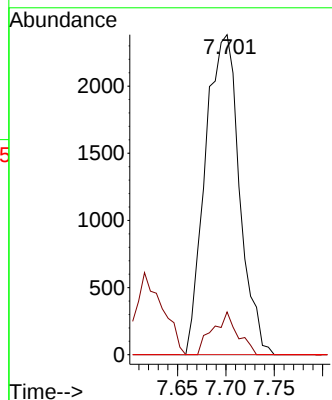
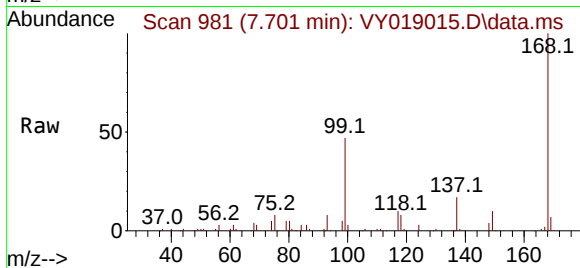
Tgt Ion: 75 Resp: 5853

Ion Ratio Lower Upper

75 100

110 9.8 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.685 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.104 min

Lab File: VY019015.D

Acq: 12 Aug 2024 20:28

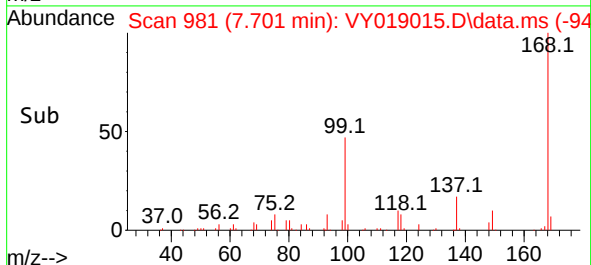
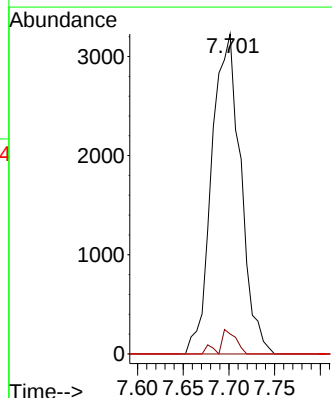
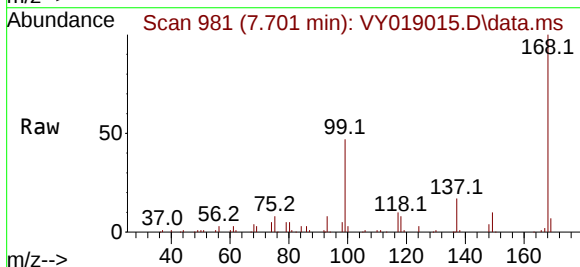
Tgt Ion: 117 Resp: 7105

Ion Ratio Lower Upper

117 100

119 6.3 75.8 113.6#

121 0.0 24.0 36.0#

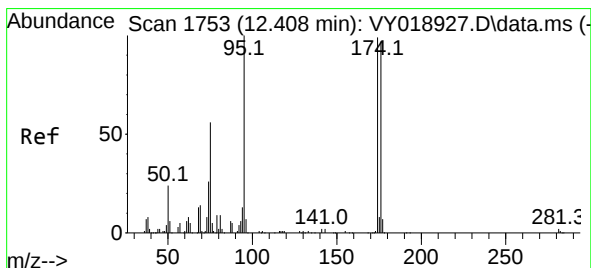
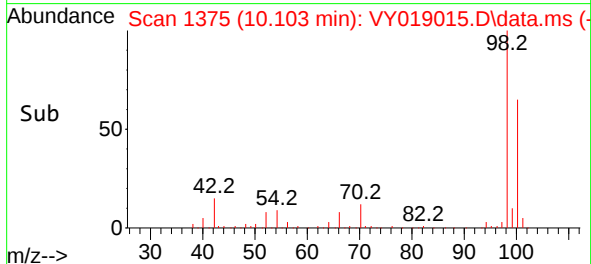
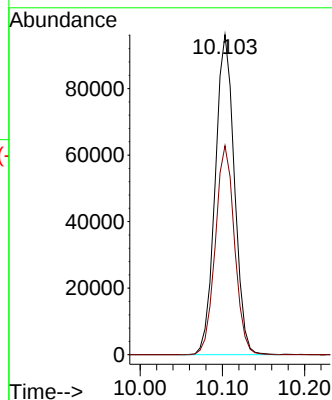
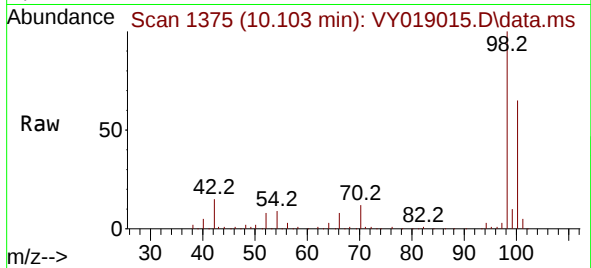




#50  
Toluene-d8  
Concen: 49.902 ug/l  
RT: 10.103 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY019015.D  
Acq: 12 Aug 2024 20:28

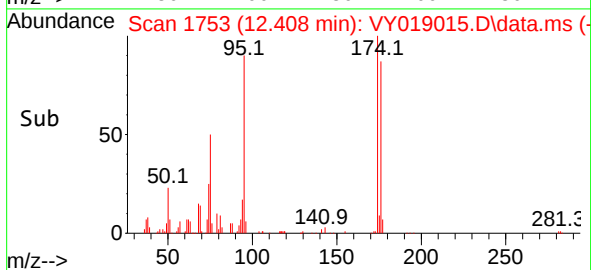
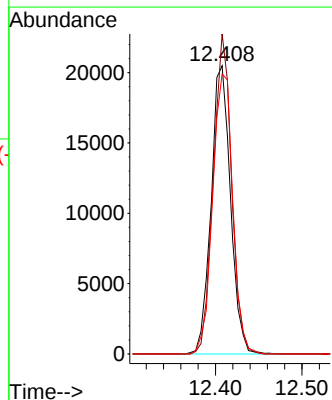
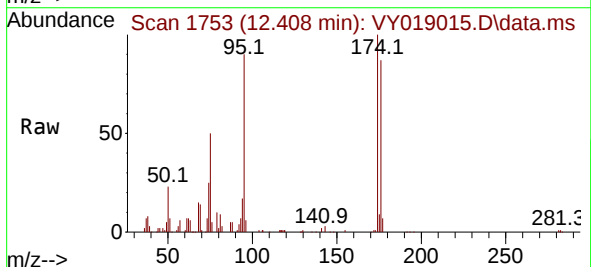
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-TS-13-080724RE

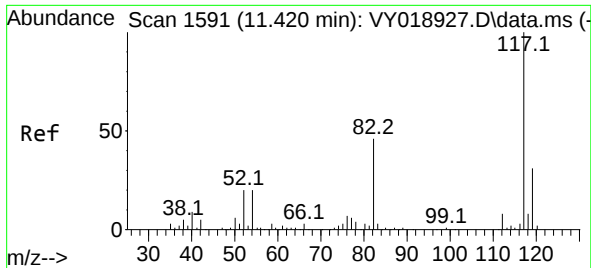
Tgt Ion: 98 Resp: 155638  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 34.488 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY019015.D  
Acq: 12 Aug 2024 20:28

Tgt Ion: 95 Resp: 31912  
Ion Ratio Lower Upper  
95 100  
174 104.4 0.0 175.6  
176 100.8 0.0 171.4

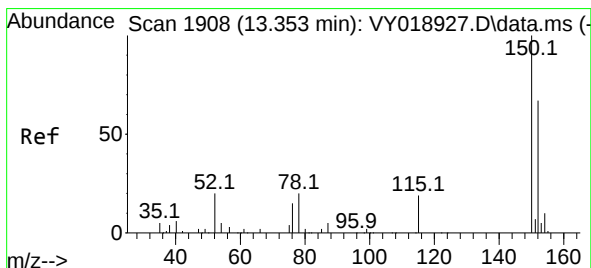
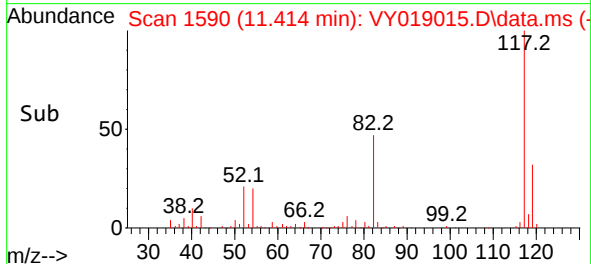
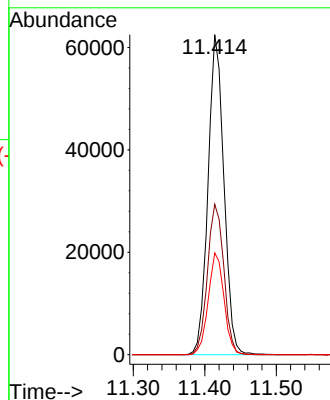
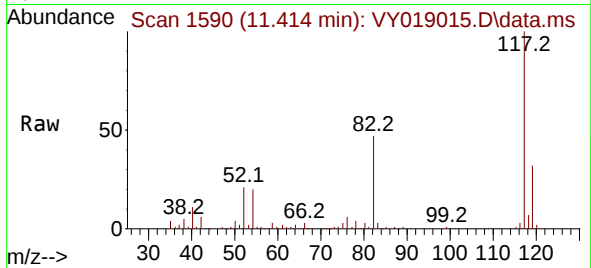




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY019015.D  
Acq: 12 Aug 2024 20:28

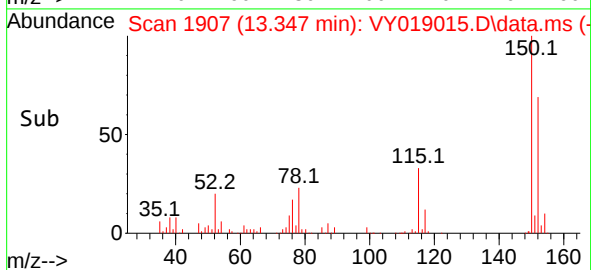
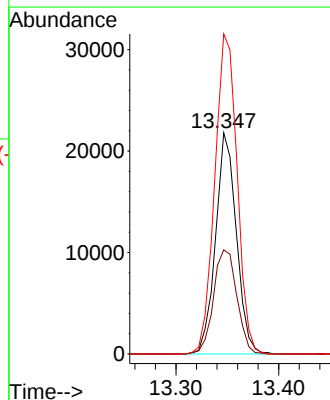
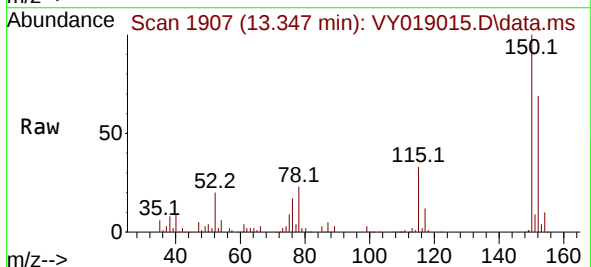
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-TS-13-080724RE

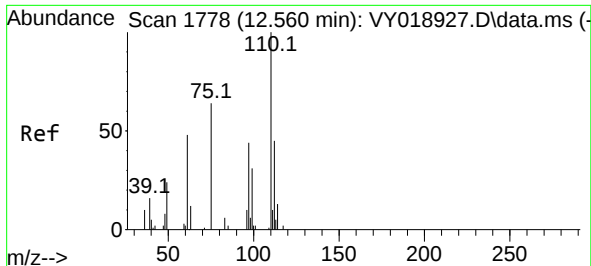
Tgt Ion:117 Resp: 96286  
Ion Ratio Lower Upper  
117 100  
82 47.0 42.4 63.6  
119 31.8 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.347 min Scan# 1907  
Delta R.T. -0.006 min  
Lab File: VY019015.D  
Acq: 12 Aug 2024 20:28

Tgt Ion:152 Resp: 30637  
Ion Ratio Lower Upper  
152 100  
115 52.8 28.2 84.7  
150 155.2 0.0 345.6

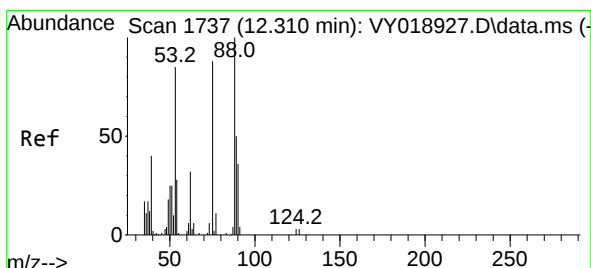
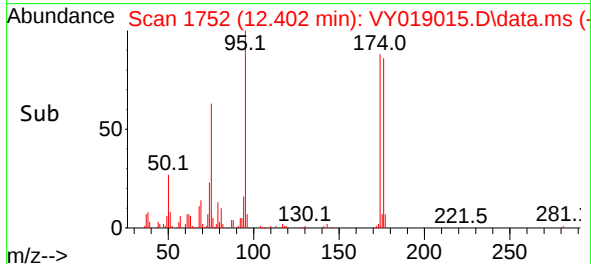
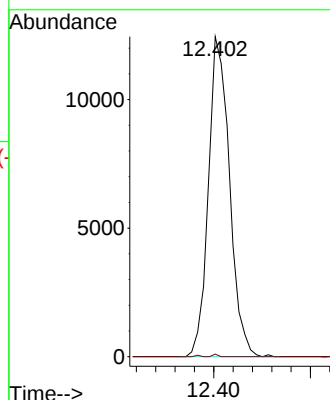
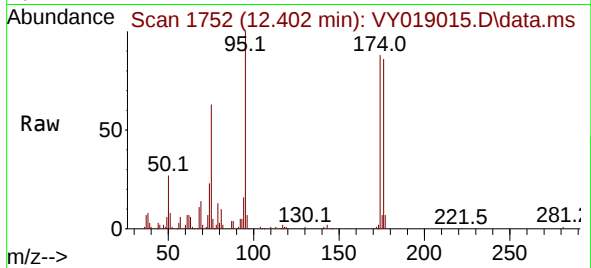




#76  
1,2,3-Trichloropropane  
Concen: 82.785 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. -0.158 min  
Lab File: VY019015.D  
Acq: 12 Aug 2024 20:28

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU4-TS-13-080724RE

Tgt Ion: 75 Resp: 18895  
Ion Ratio Lower Upper  
75 100  
77 0.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 170.587 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. 0.092 min  
Lab File: VY019015.D  
Acq: 12 Aug 2024 20:28

Tgt Ion: 75 Resp: 18895  
Ion Ratio Lower Upper  
75 100  
53 0.0 66.8 100.2#  
89 0.2 35.8 53.6#

