

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042624\  
 Data File : VY018064.D  
 Acq On : 26 Apr 2024 15:53  
 Operator : SY/MD  
 Sample : P2274-01  
 Misc : 4.08g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Apr 27 01:09:47 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041624S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 17 06:24:42 2024  
 Response via : Initial Calibration

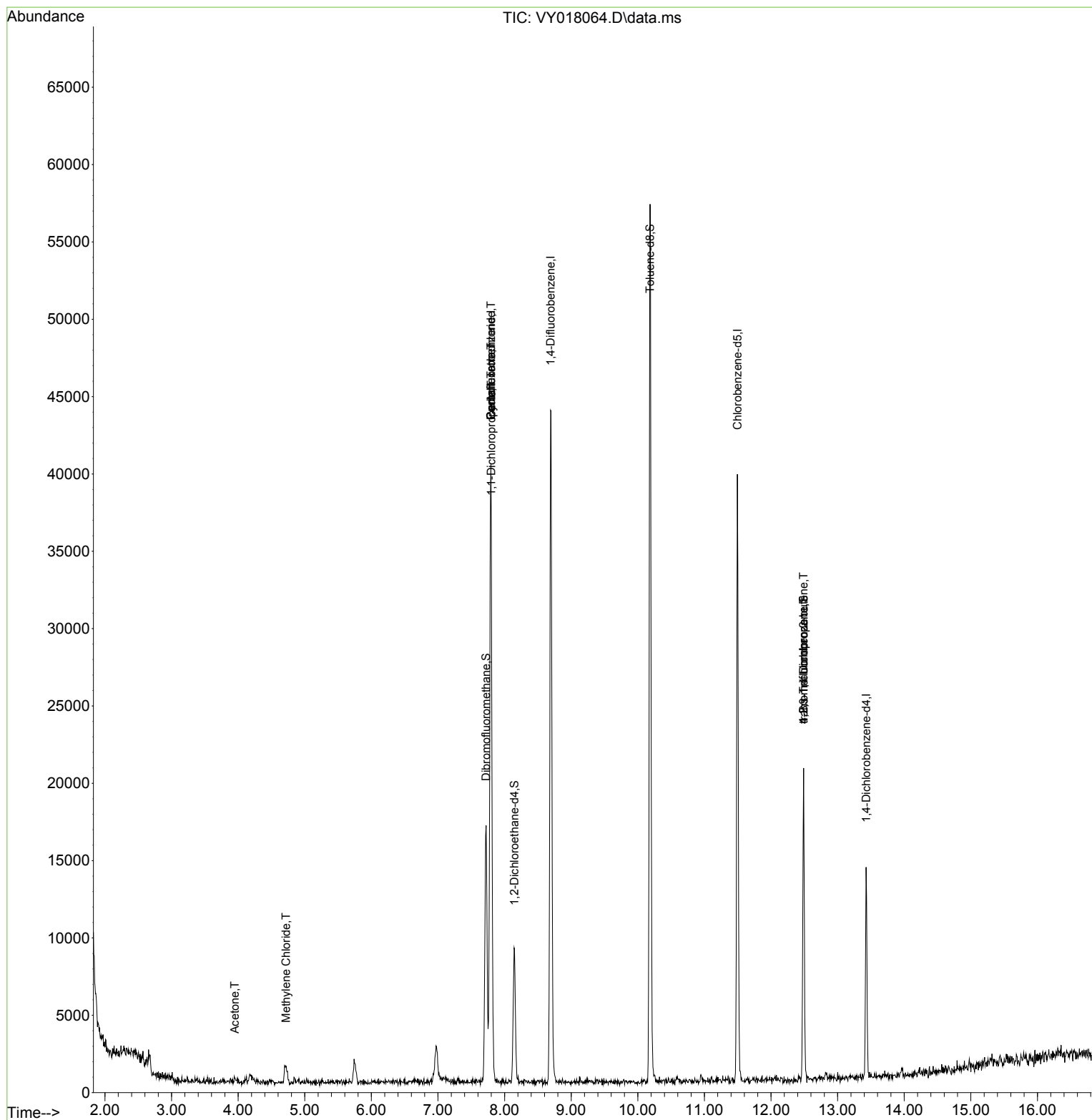
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.795  | 168   | 36232    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 43463    | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.495 | 117   | 23792    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 4178     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149  | 65    | 7069     | 22.546   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | =      | 45.100%# |
| 35) Dibromofluoromethane      | 7.722  | 113   | 12058    | 44.969   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | =      | 89.940%  |
| 50) Toluene-d8                | 10.185 | 98    | 43069    | 42.330   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | =      | 84.660%  |
| 62) 4-Bromofluorobenzene      | 12.489 | 95    | 5245     | 16.645   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | =      | 33.280%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 16) Acetone                   | 3.948  | 43    | 289      | 4.665    | ug/l # | 36       |
| 20) Methylene Chloride        | 4.716  | 84    | 680      | 1.620    | ug/l # | 75       |
| 31) Cyclohexane               | 7.795  | 56    | 654      | 1.091    | ug/l # | 46       |
| 36) 1,1-Dichloropropene       | 7.801  | 75    | 2131     | 5.465    | ug/l # | 45       |
| 38) Carbon Tetrachloride      | 7.795  | 117   | 3081     | 7.820    | ug/l # | 17       |
| 76) 1,2,3-Trichloropropane    | 12.489 | 75    | 2600     | 66.317   | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.489 | 75    | 2600     | 136.733  | ug/l # | 16       |
| -----                         |        |       |          |          |        |          |

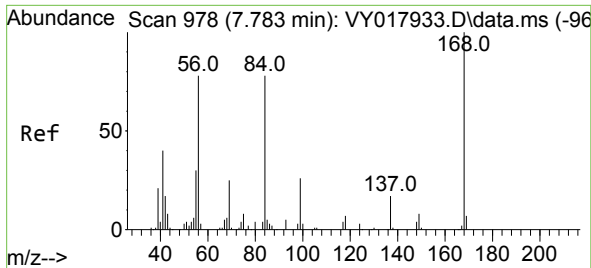
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : P2274-01  
Misc : 4.08g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Apr 27 01:09:47 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041624S.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 17 06:24:42 2024  
Response via : Initial Calibration

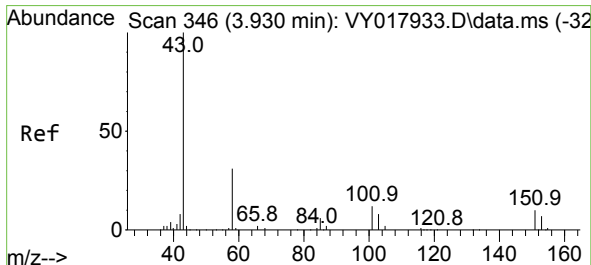
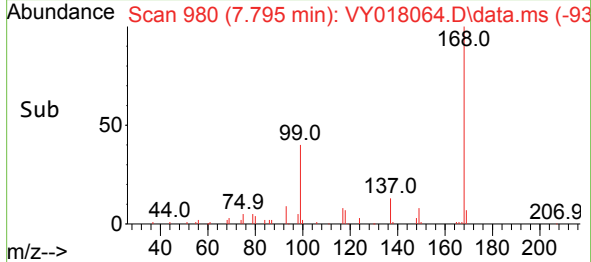
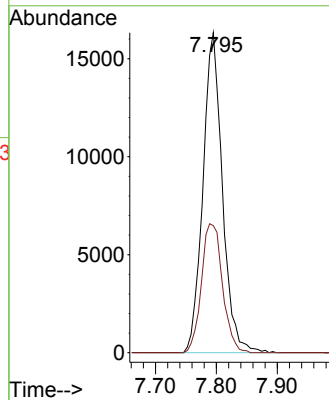
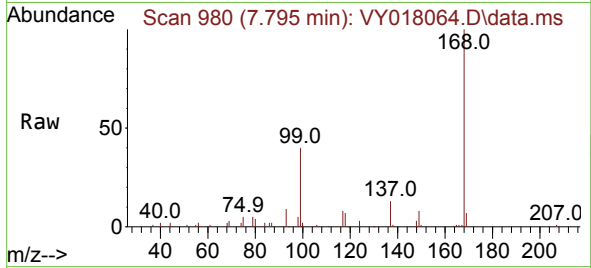




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY018064.D  
Acq: 26 Apr 2024 15:53

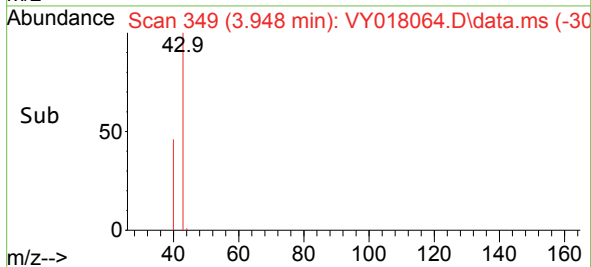
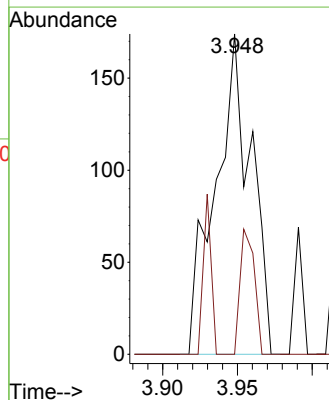
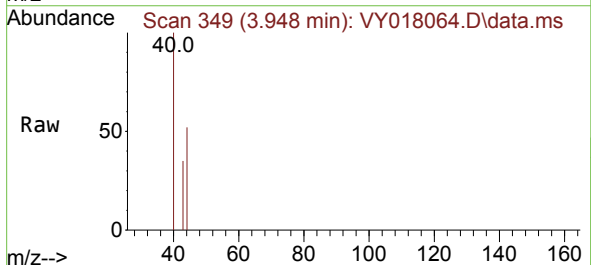
Instrument :  
MSVOA\_Y  
ClientSampleId :

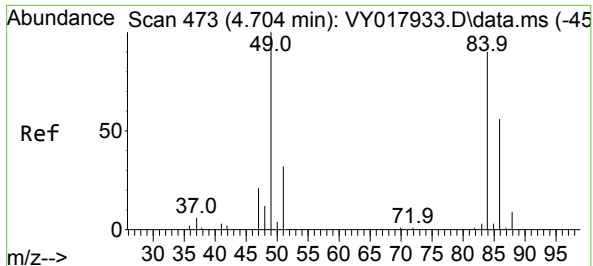
Tgt Ion:168 Resp: 36232  
Ion Ratio Lower Upper  
168 100  
99 39.7 39.1 58.7



#16  
Acetone  
Concen: 4.665 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. 0.000 min  
Lab File: VY018064.D  
Acq: 26 Apr 2024 15:53

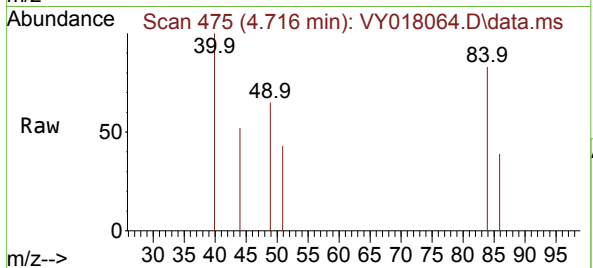
Tgt Ion: 43 Resp: 289  
Ion Ratio Lower Upper  
43 100  
58 0.0 31.7 47.5#





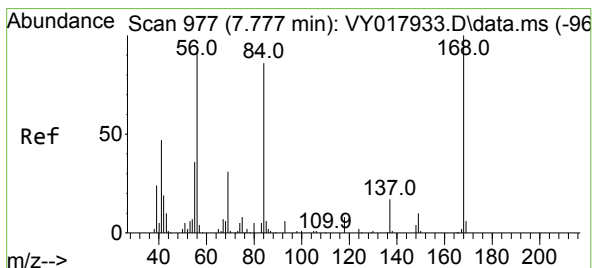
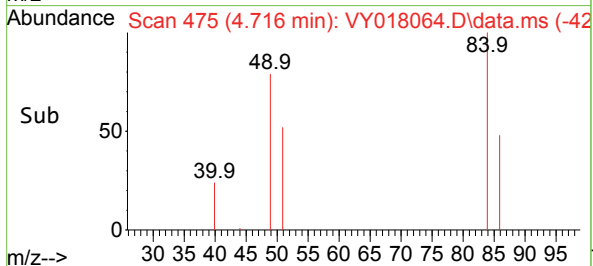
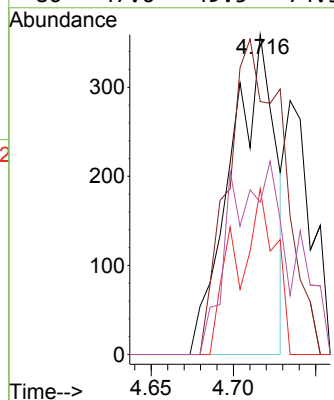
#20  
Methylene Chloride  
Concen: 1.620 ug/l  
RT: 4.716 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY018064.D  
Acq: 26 Apr 2024 15:53

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 84 Resp: 680

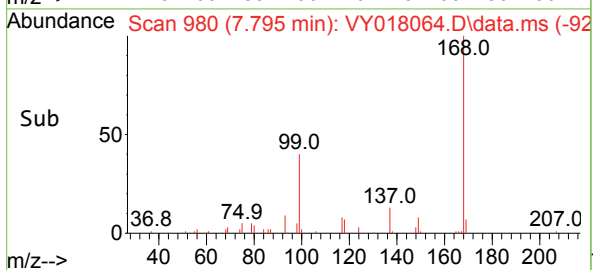
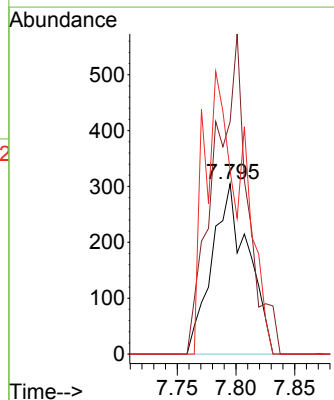
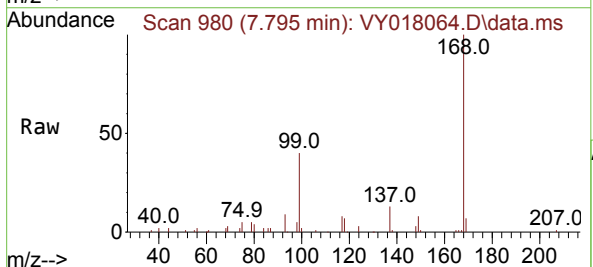
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 79.1  | 84.4  | 126.6# |
| 51  | 51.8  | 26.0  | 39.0#  |
| 86  | 47.6  | 49.5  | 74.3#  |

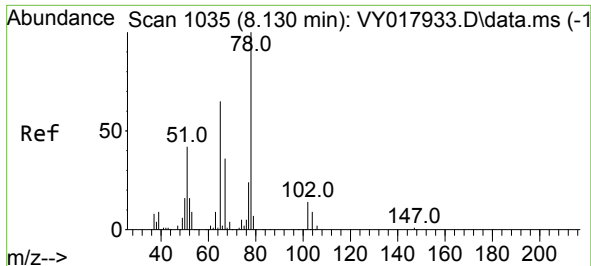


#31  
Cyclohexane  
Concen: 1.091 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.012 min  
Lab File: VY018064.D  
Acq: 26 Apr 2024 15:53

Tgt Ion: 56 Resp: 654

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 136.4 | 28.7  | 43.1# |
| 84  | 107.5 | 77.7  | 116.5 |

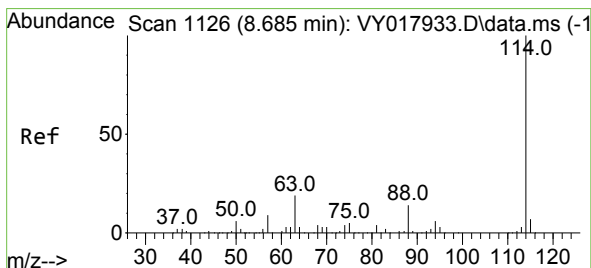
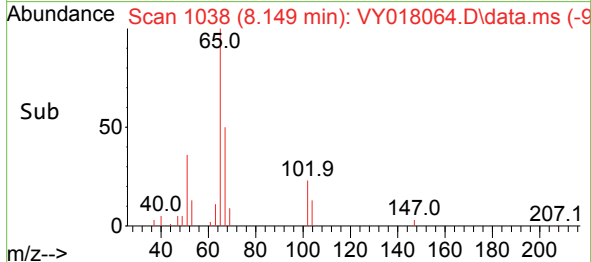
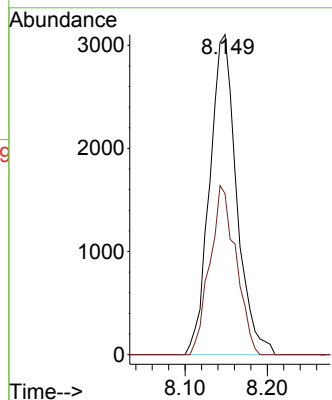
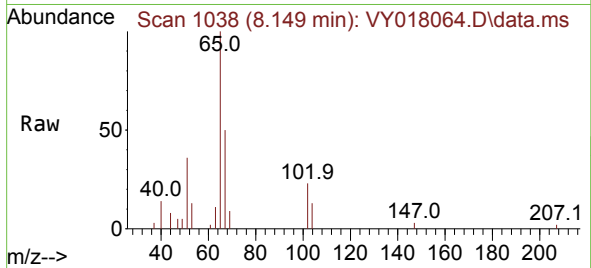




#33  
 1,2-Dichloroethane-d4  
 Concen: 22.546 ug/l  
 RT: 8.149 min Scan# 1035  
 Delta R.T. 0.006 min  
 Lab File: VY018064.D  
 Acq: 26 Apr 2024 15:53

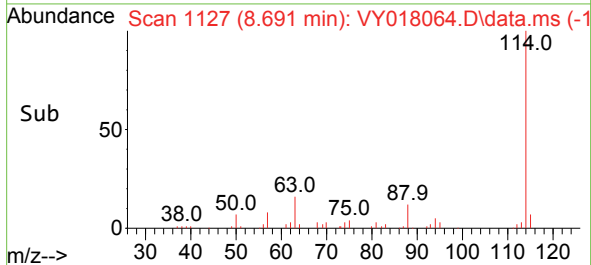
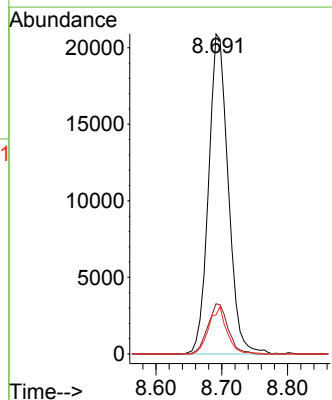
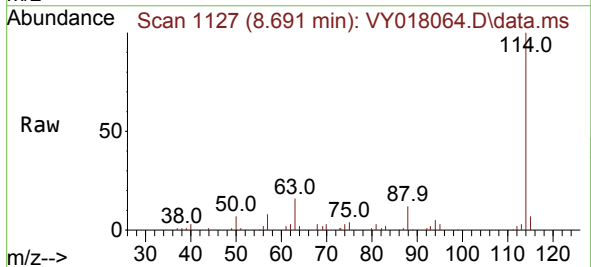
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

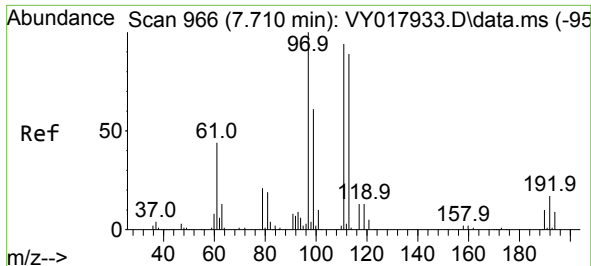
Tgt Ion: 65 Resp: 7069  
 Ion Ratio Lower Upper  
 65 100  
 67 51.3 0.0 109.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.691 min Scan# 1127  
 Delta R.T. 0.000 min  
 Lab File: VY018064.D  
 Acq: 26 Apr 2024 15:53

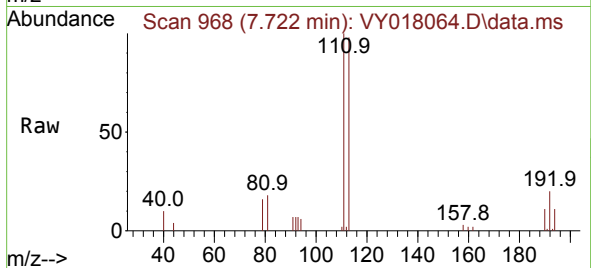
Tgt Ion: 114 Resp: 43463  
 Ion Ratio Lower Upper  
 114 100  
 63 15.7 0.0 35.0  
 88 12.2 0.0 27.2



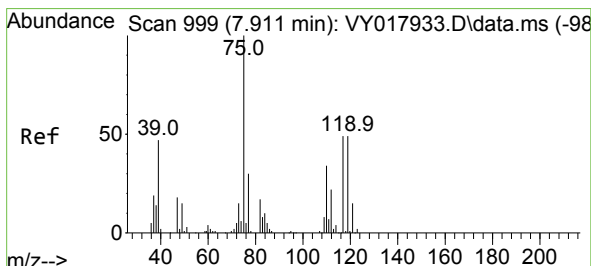
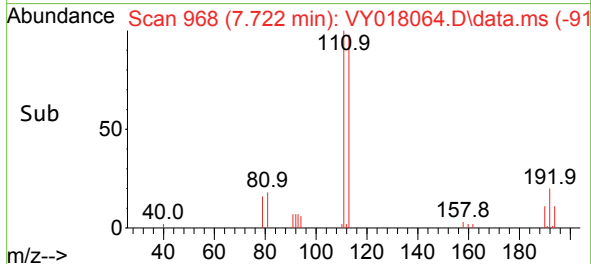
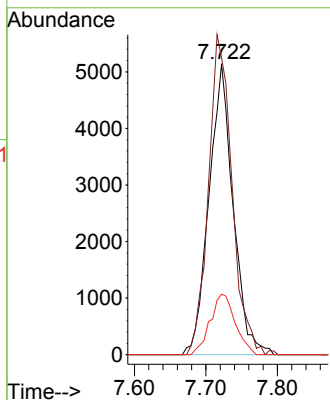


#35  
Dibromofluoromethane  
Concen: 44.969 ug/l  
RT: 7.722 min Scan# 901  
Delta R.T. 0.000 min  
Lab File: VY018064.D  
Acq: 26 Apr 2024 15:53

Instrument :  
MSVOA\_Y  
ClientSampleId :

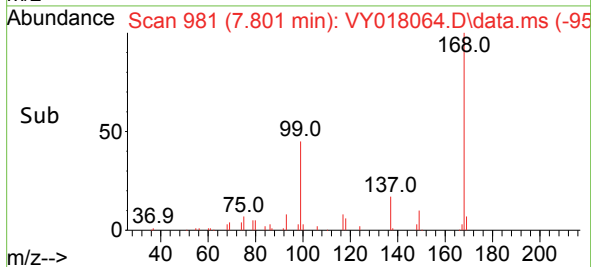
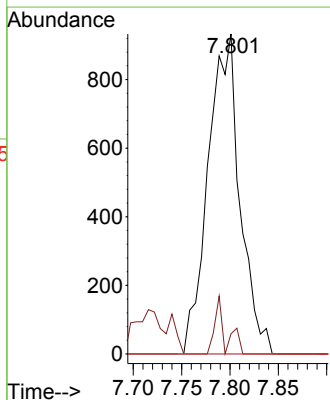
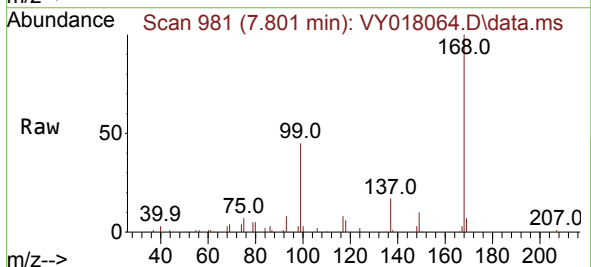


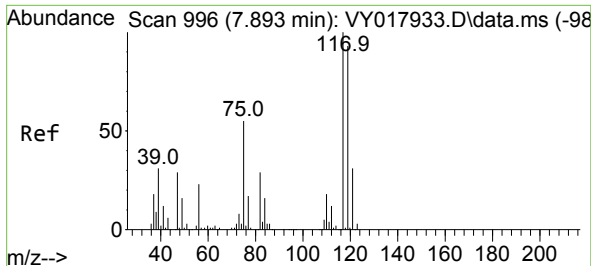
Tgt Ion:113 Resp: 12058  
Ion Ratio Lower Upper  
113 100  
111 107.7 82.2 123.4  
192 21.6 15.9 23.9



#36  
1,1-Dichloropropene  
Concen: 5.465 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.116 min  
Lab File: VY018064.D  
Acq: 26 Apr 2024 15:53

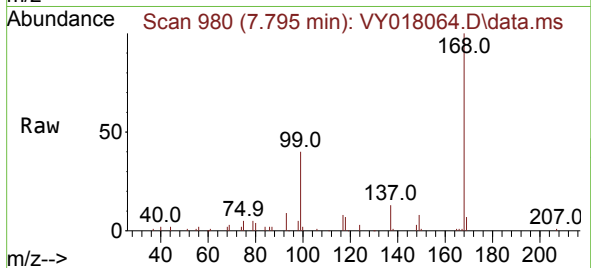
Tgt Ion: 75 Resp: 2131  
Ion Ratio Lower Upper  
75 100  
110 6.2 19.0 57.0#  
77 0.0 25.3 37.9#



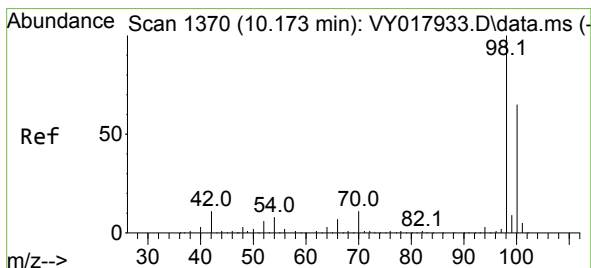
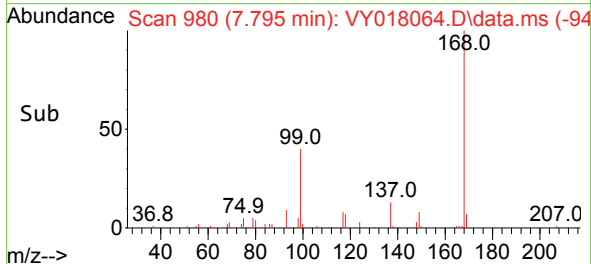
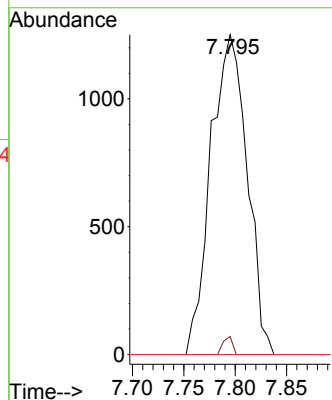


#38  
Carbon Tetrachloride  
Concen: 7.820 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY018064.D  
Acq: 26 Apr 2024 15:53

Instrument :  
MSVOA\_Y  
ClientSampleId :

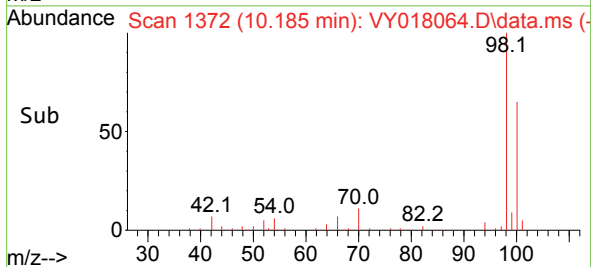
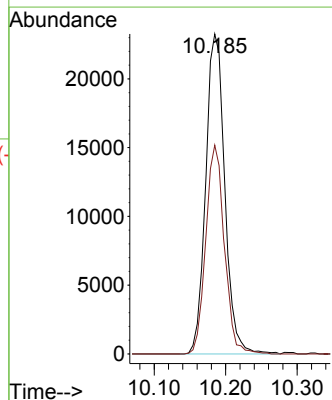
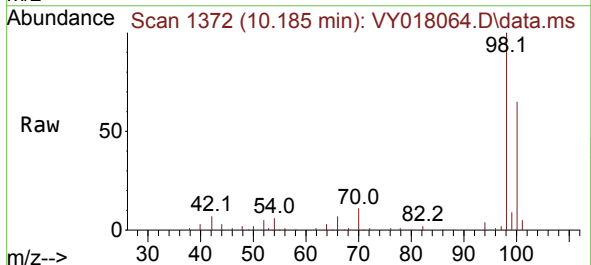


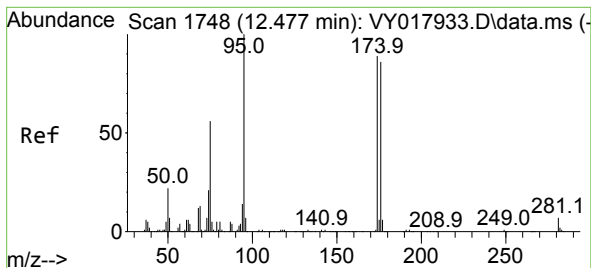
Tgt Ion:117 Resp: 3081  
Ion Ratio Lower Upper  
117 100  
119 5.7 75.8 113.6#  
121 0.0 24.0 36.0#



#50  
Toluene-d8  
Concen: 42.330 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.006 min  
Lab File: VY018064.D  
Acq: 26 Apr 2024 15:53

Tgt Ion: 98 Resp: 43069  
Ion Ratio Lower Upper  
98 100  
100 63.7 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 16.645 ug/l

RT: 12.489 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY018064.D

Acq: 26 Apr 2024 15:53

Instrument :

MSVOA\_Y

ClientSampleId :

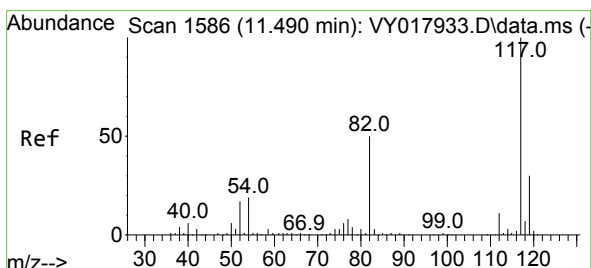
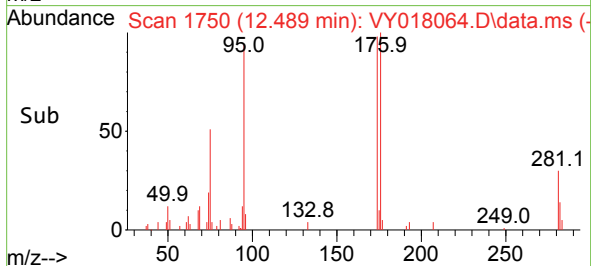
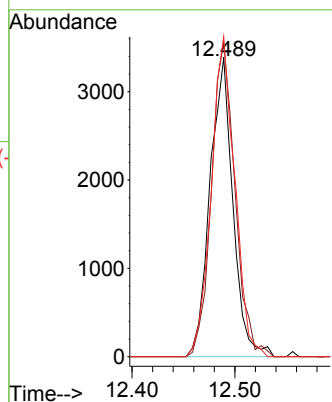
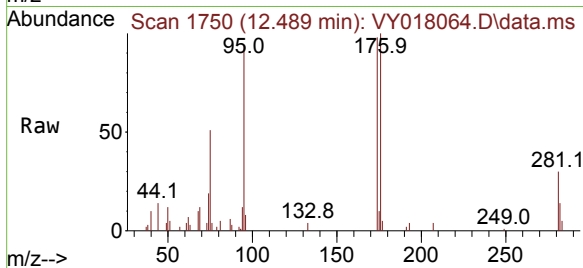
Tgt Ion: 95 Resp: 5245

Ion Ratio Lower Upper

95 100

174 108.0 0.0 175.6

176 109.6 0.0 171.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 1587

Delta R.T. 0.006 min

Lab File: VY018064.D

Acq: 26 Apr 2024 15:53

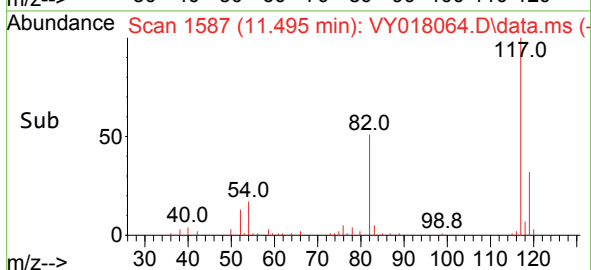
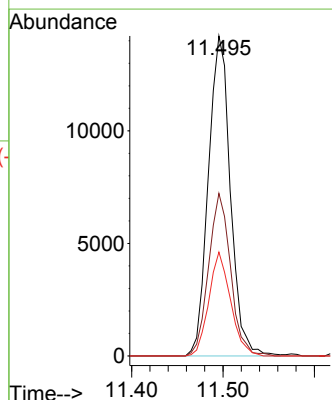
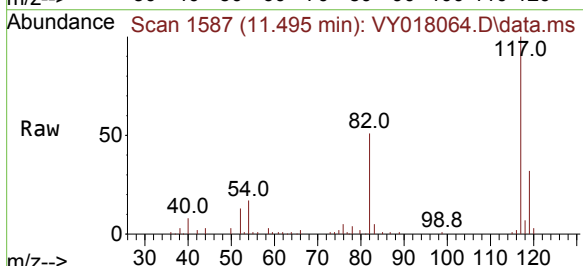
Tgt Ion: 117 Resp: 23792

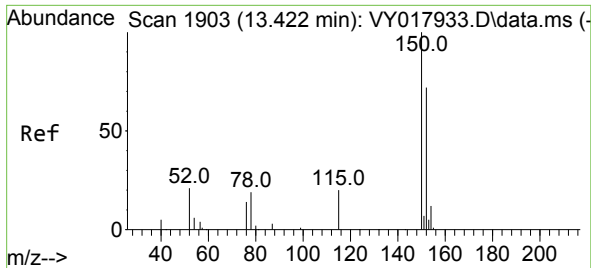
Ion Ratio Lower Upper

117 100

82 50.8 42.4 63.6

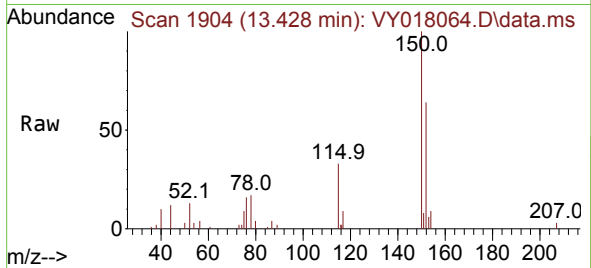
119 32.5 25.9 38.9



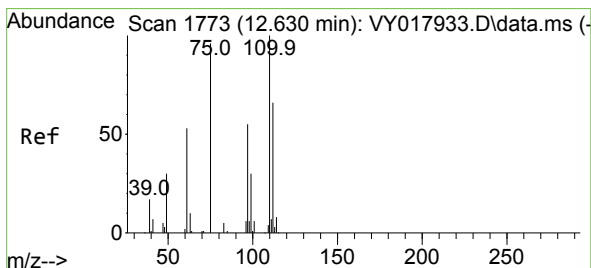
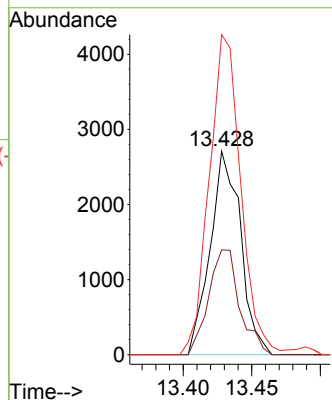
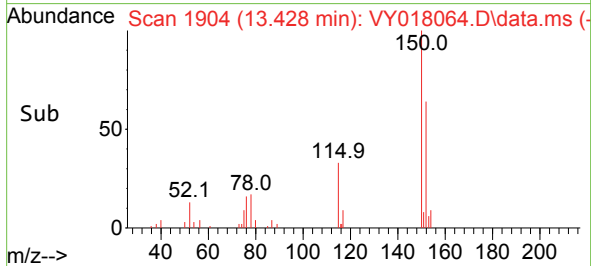


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1903  
 Delta R.T. 0.000 min  
 Lab File: VY018064.D  
 Acq: 26 Apr 2024 15:53

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

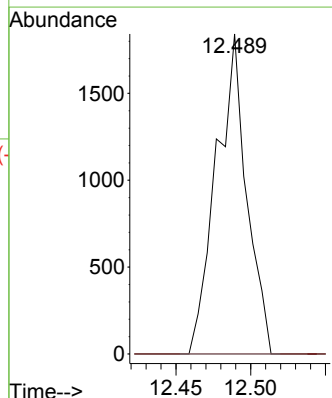
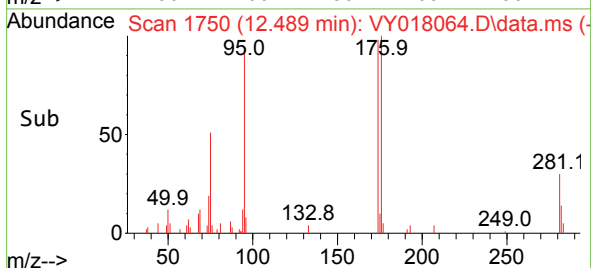
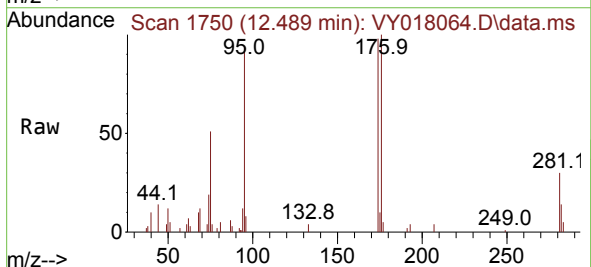


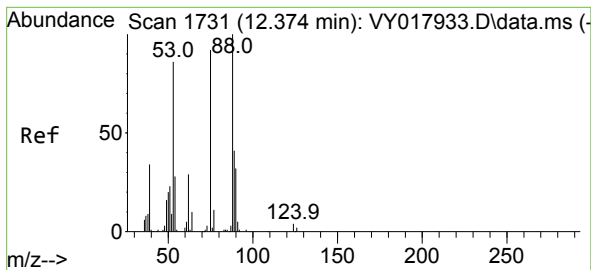
Tgt Ion:152 Resp: 4178  
 Ion Ratio Lower Upper  
 152 100  
 115 52.7 28.2 84.7  
 150 163.7 0.0 345.6



#76  
 1,2,3-Trichloropropane  
 Concen: 66.317 ug/l  
 RT: 12.489 min Scan# 1750  
 Delta R.T. -0.146 min  
 Lab File: VY018064.D  
 Acq: 26 Apr 2024 15:53

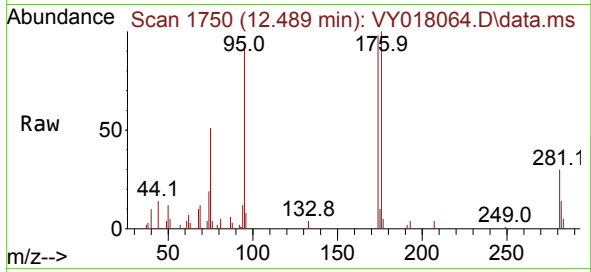
Tgt Ion: 75 Resp: 2600  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 136.733 ug/l  
 RT: 12.489 min Scan# 11  
 Delta R.T. 0.110 min  
 Lab File: VY018064.D  
 Acq: 26 Apr 2024 15:53

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 53      | 0.0   | 66.8  | 100.2# |
| 89      | 0.0   | 35.8  | 53.6#  |

