

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082124\  
 Data File : VY019196.D  
 Acq On : 22 Aug 2024 03:45  
 Operator : SY/MD  
 Sample : P3671-02  
 Misc : 8.24g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Aug 22 04:43:39 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081524S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 16 05:10:30 2024  
 Response via : Initial Calibration

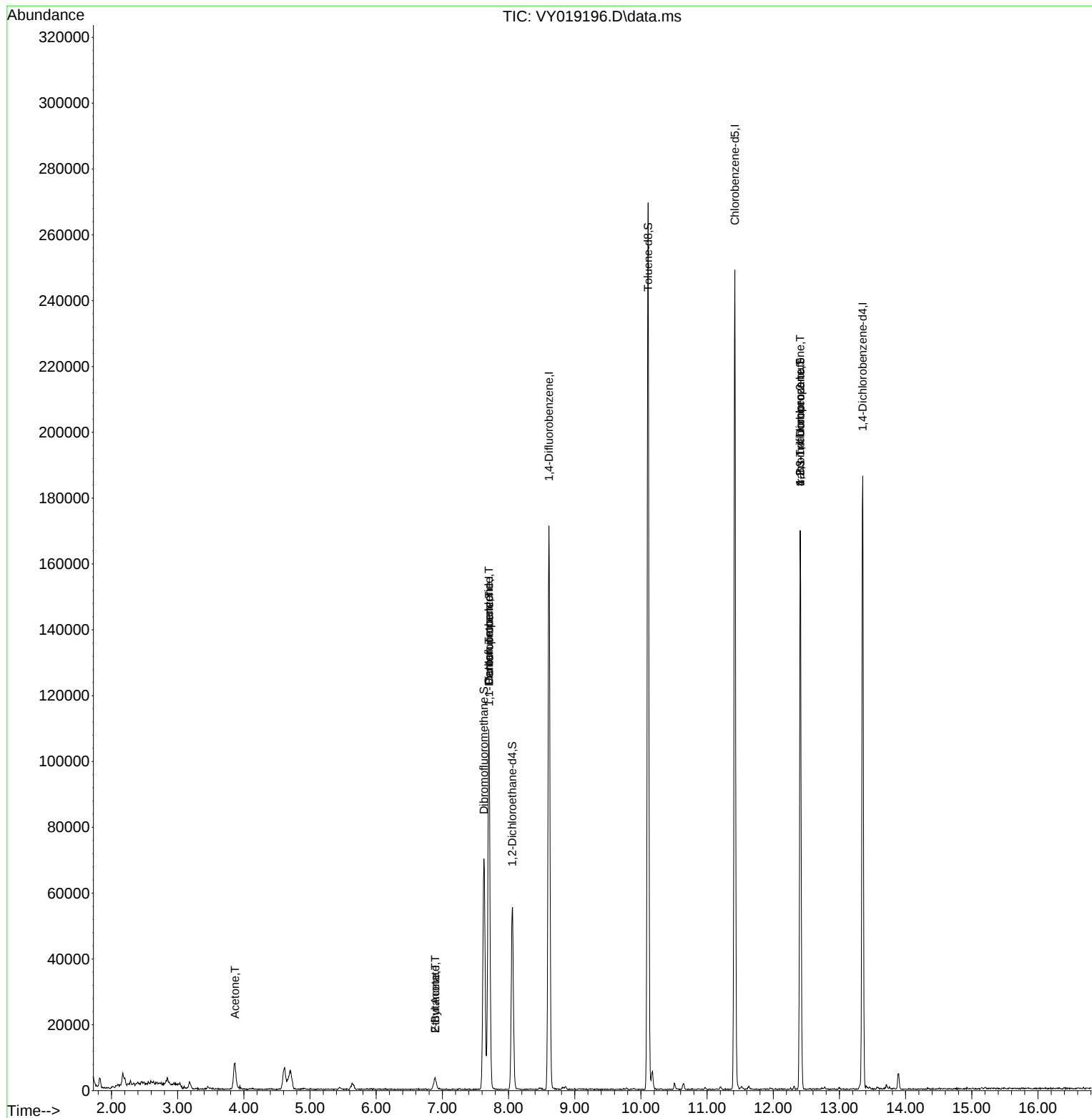
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.701  | 168   | 85411    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.609  | 114   | 153318   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.420 | 117   | 135667   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.352 | 152   | 47587    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.055  | 65    | 43345    | 50.626    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 101.260% |          |
| 35) Dibromofluoromethane      | 7.628  | 113   | 49273    | 49.151    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 98.300%  |          |
| 50) Toluene-d8                | 10.109 | 98    | 170328   | 47.214    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 94.420%  |          |
| 62) 4-Bromofluorobenzene      | 12.408 | 95    | 49396    | 40.165    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 29 - 146 | Recovery  | = 80.340%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 5) Bromomethane               | 2.617  | 94    | 345      | Below Cal | #          | 76       |
| 6) Chloroethane               | 2.635  | 64    | 19       | Below Cal | #          | 42       |
| 11) Tert butyl alcohol        | 4.854  | 59    | 19       | Below Cal | #          | 88       |
| 13) Acrolein                  | 3.610  | 56    | 20       | Below Cal | #          | 15       |
| 16) Acetone                   | 3.866  | 43    | 13742    | 86.547    | ug/l       | 91       |
| 20) Methylene Chloride        | 4.610  | 84    | 4523     | Below Cal | #          | 87       |
| 25) 2-Butanone                | 6.890  | 43    | 4420     | 17.285    | ug/l       | # 76     |
| 31) Cyclohexane               | 7.701  | 56    | 1913     | Below Cal | #          | 30       |
| 36) 1,1-Dichloropropene       | 7.707  | 75    | 6603     | 4.797     | ug/l       | # 49     |
| 37) Ethyl Acetate             | 6.890  | 43    | 4420     | 7.247     | ug/l       | # 82     |
| 38) Carbon Tetrachloride      | 7.701  | 117   | 8284     | 5.193     | ug/l       | # 19     |
| 76) 1,2,3-Trichloropropane    | 12.408 | 75    | 26970    | 57.469    | ug/l       | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.408 | 75    | 26970    | 141.930   | ug/l       | # 16     |
| -----                         |        |       |          |           |            |          |

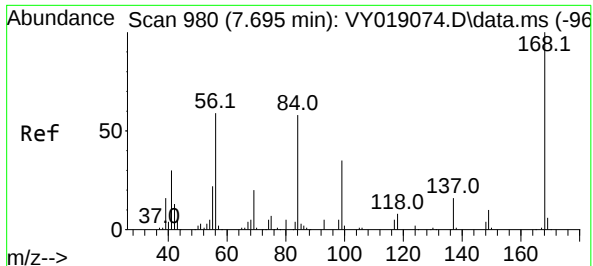
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082124\  
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Sample : P3671-02  
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ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Aug 22 04:43:39 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081524S.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 16 05:10:30 2024  
Response via : Initial Calibration

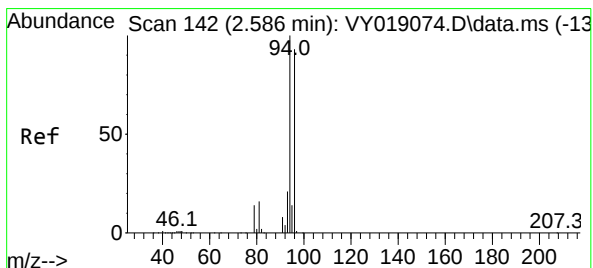
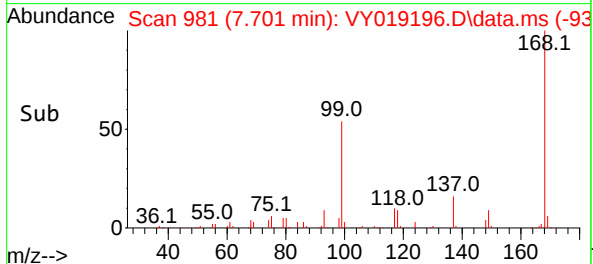
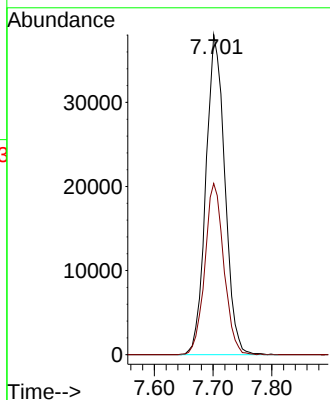
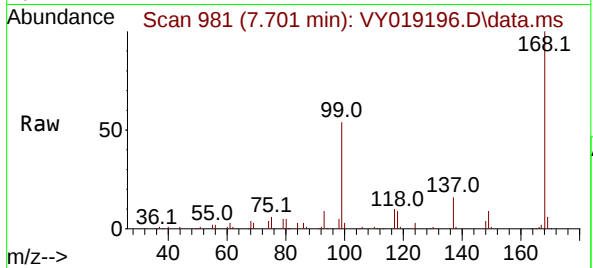




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY019196.D  
Acq: 22 Aug 2024 03:45

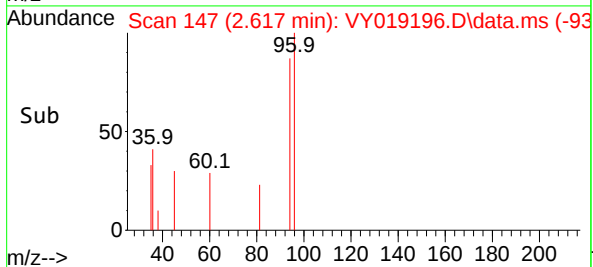
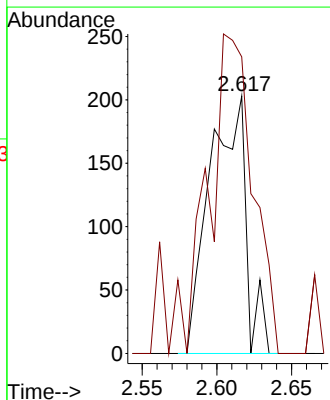
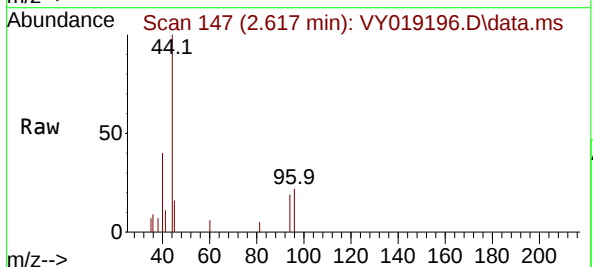
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:168 Resp: 85411  
Ion Ratio Lower Upper  
168 100  
99 53.5 39.1 58.7



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.617 min Scan# 147  
Delta R.T. 0.031 min  
Lab File: VY019196.D  
Acq: 22 Aug 2024 03:45

Tgt Ion: 94 Resp: 345  
Ion Ratio Lower Upper  
94 100  
96 115.3 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.854 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY019196.D

Acq: 22 Aug 2024 03:45

Instrument :

MSVOA\_Y

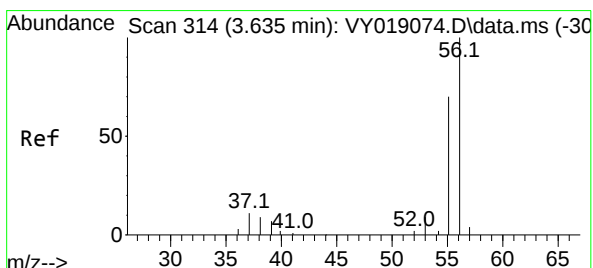
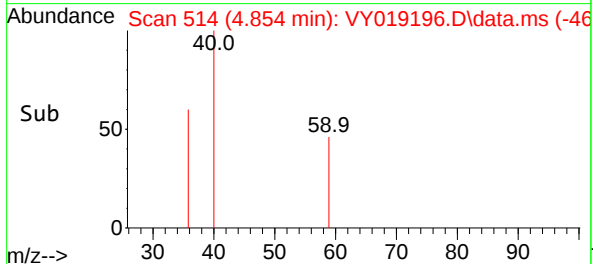
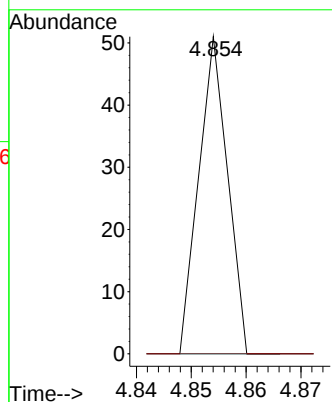
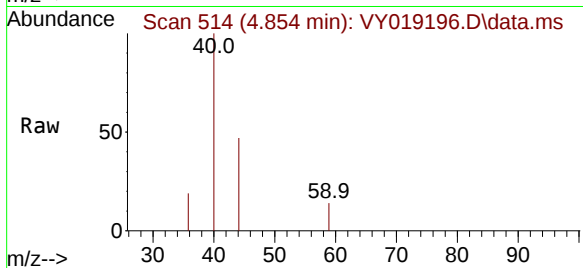
ClientSampleId :

Tgt Ion: 59 Resp: 19

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.610 min Scan# 310

Delta R.T. -0.025 min

Lab File: VY019196.D

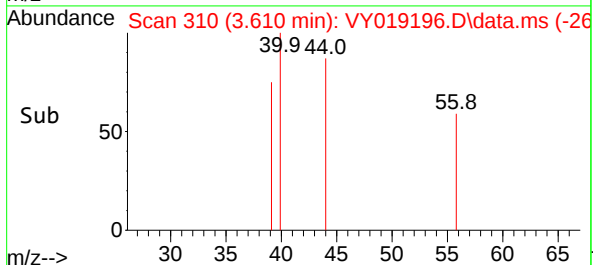
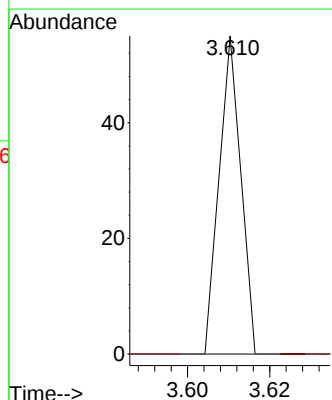
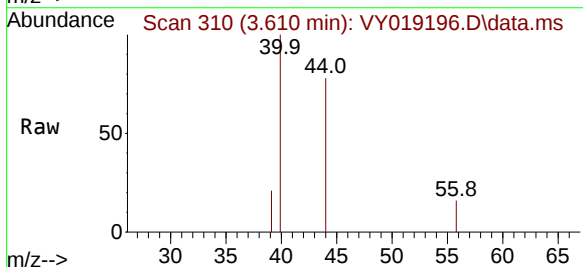
Acq: 22 Aug 2024 03:45

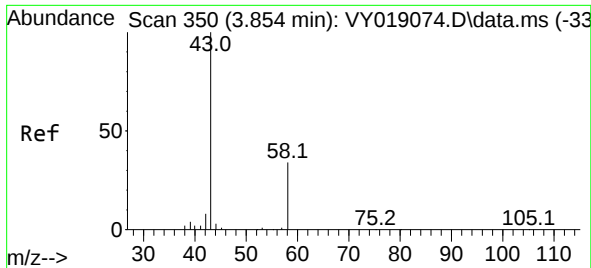
Tgt Ion: 56 Resp: 20

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#





#16

Acetone

Concen: 86.547 ug/l

RT: 3.866 min Scan# 31

Delta R.T. 0.012 min

Lab File: VY019196.D

Acq: 22 Aug 2024 03:45

Instrument :

MSVOA\_Y

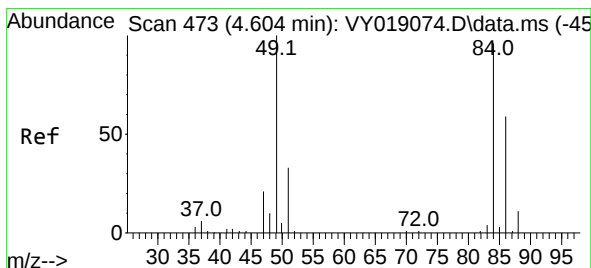
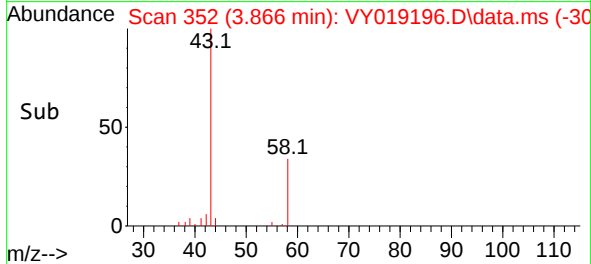
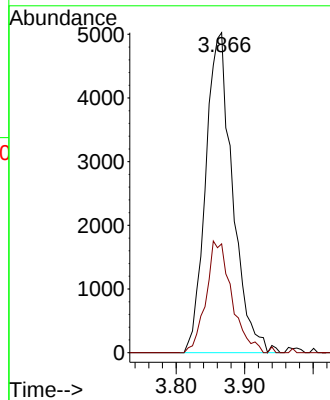
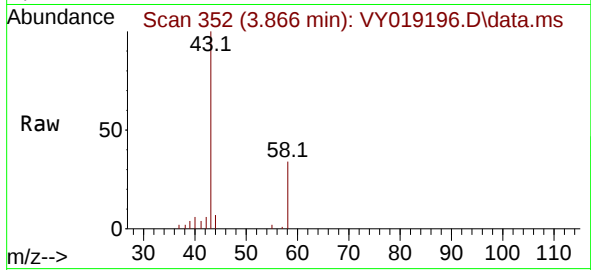
ClientSampleId :

Tgt Ion: 43 Resp: 13742

Ion Ratio Lower Upper

43 100

58 34.0 31.7 47.5



#20

Methylene Chloride

Concen: Below Cal

RT: 4.610 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY019196.D

Acq: 22 Aug 2024 03:45

Tgt Ion: 84 Resp: 4523

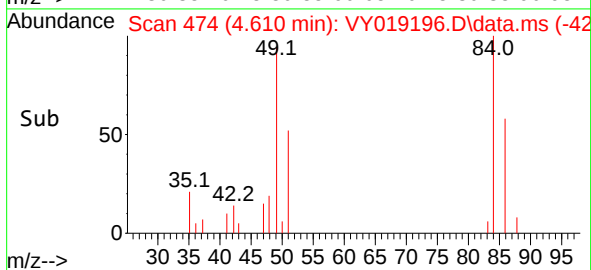
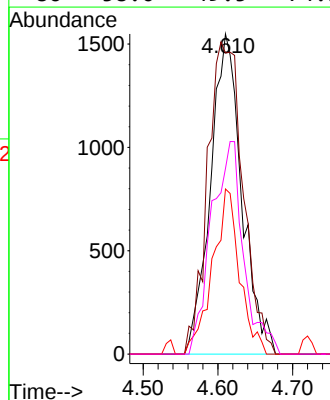
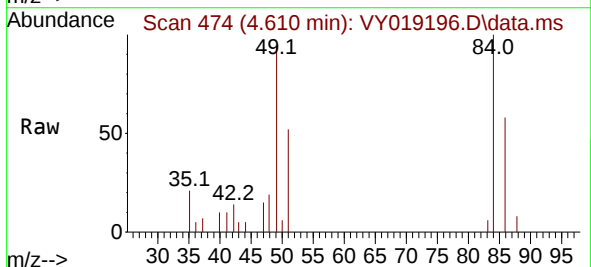
Ion Ratio Lower Upper

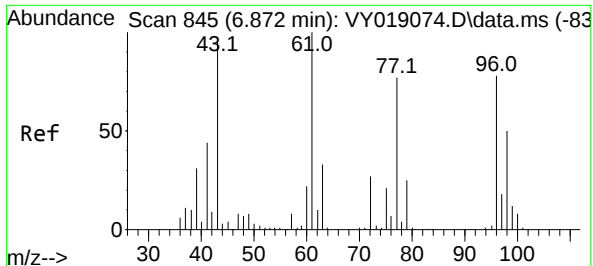
84 100

49 94.1 84.4 126.6

51 51.6 26.0 39.0#

86 58.0 49.5 74.3

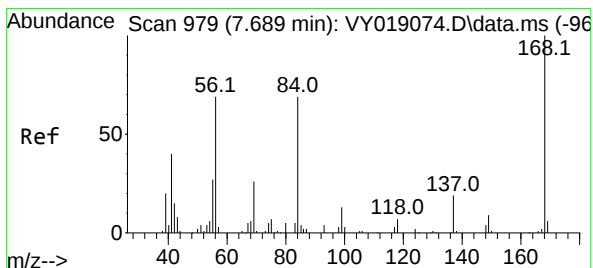
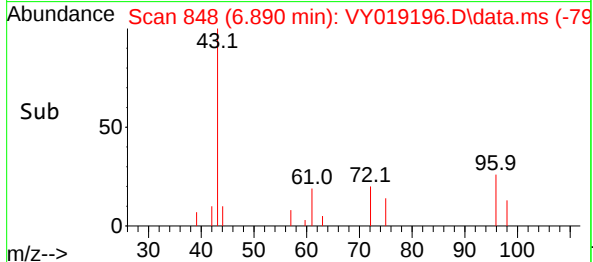
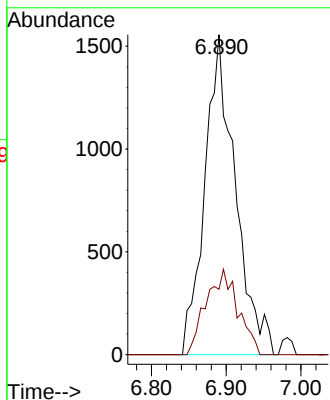
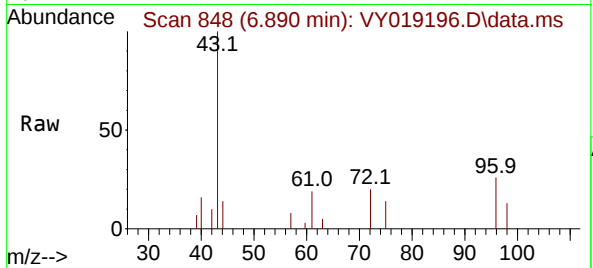




#25  
2-Butanone  
Concen: 17.285 ug/l  
RT: 6.890 min Scan# 845  
Delta R.T. 0.019 min  
Lab File: VY019196.D  
Acq: 22 Aug 2024 03:45

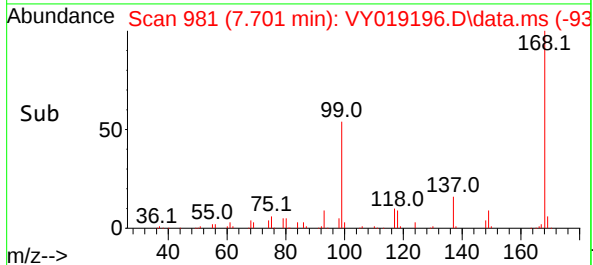
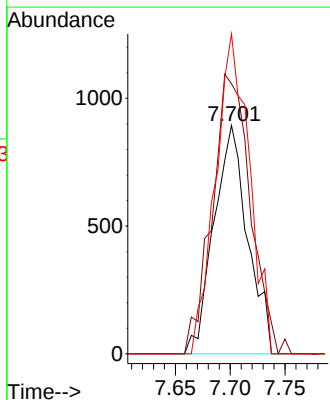
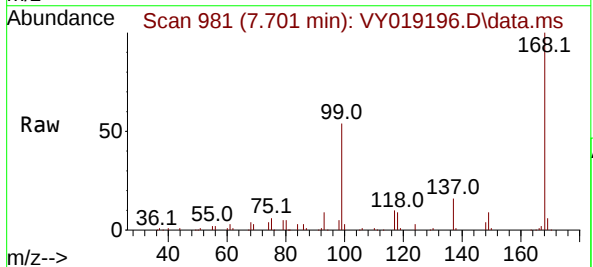
Instrument :  
MSVOA\_Y  
ClientSampleId :

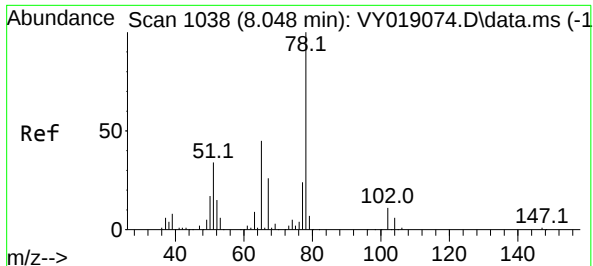
Tgt Ion: 43 Resp: 4420  
Ion Ratio Lower Upper  
43 100  
72 20.4 27.3 40.9#



#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.701 min Scan# 981  
Delta R.T. 0.012 min  
Lab File: VY019196.D  
Acq: 22 Aug 2024 03:45

Tgt Ion: 56 Resp: 1913  
Ion Ratio Lower Upper  
56 100  
69 118.2 28.7 43.1#  
84 140.0 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 50.626 ug/l

RT: 8.055 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019196.D

Acq: 22 Aug 2024 03:45

Instrument :

MSVOA\_Y

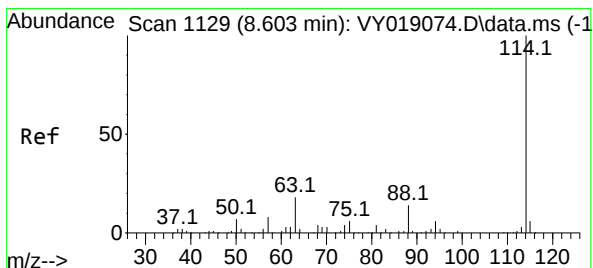
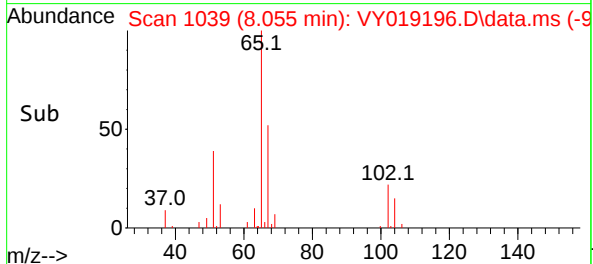
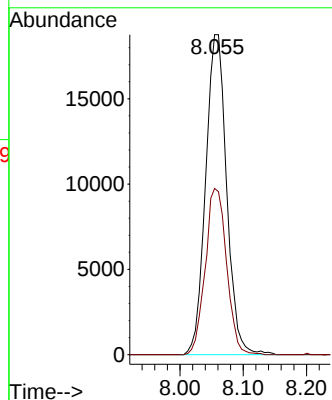
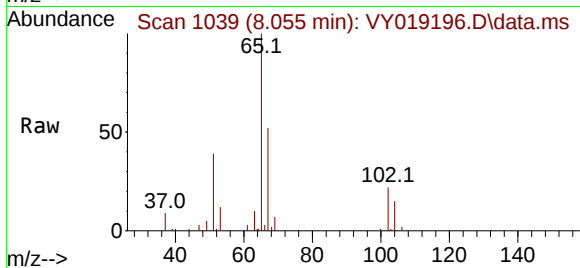
ClientSampleId :

Tgt Ion: 65 Resp: 43345

Ion Ratio Lower Upper

65 100

67 52.7 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019196.D

Acq: 22 Aug 2024 03:45

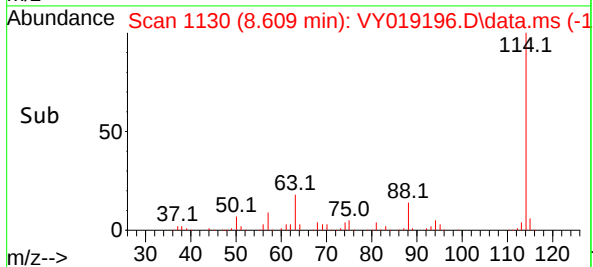
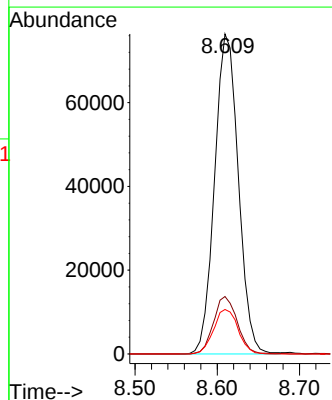
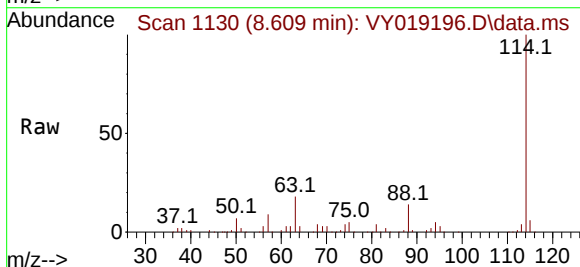
Tgt Ion: 114 Resp: 153318

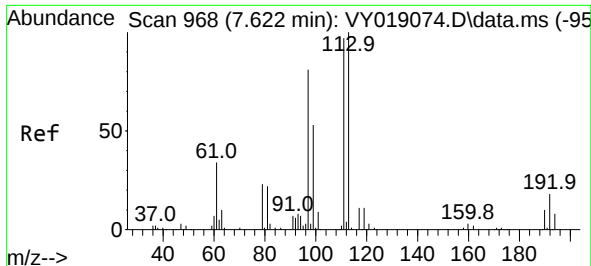
Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.0

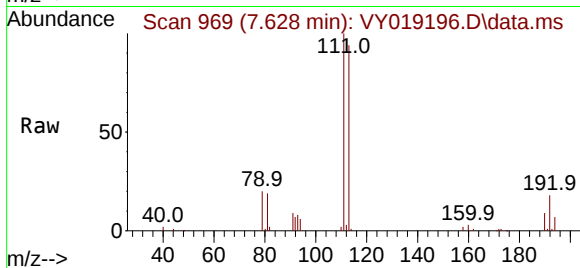
88 13.9 0.0 27.2



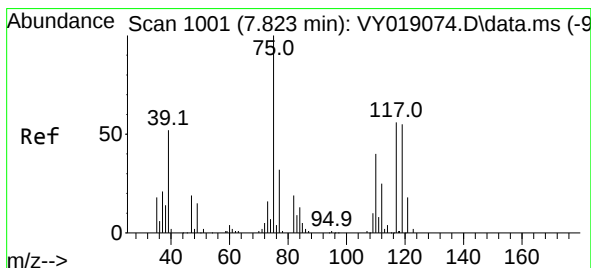
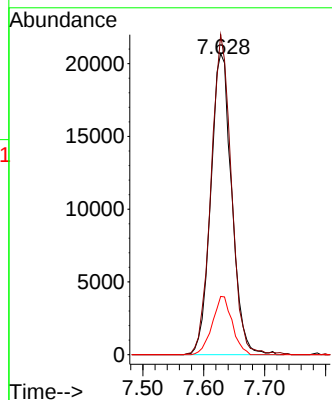
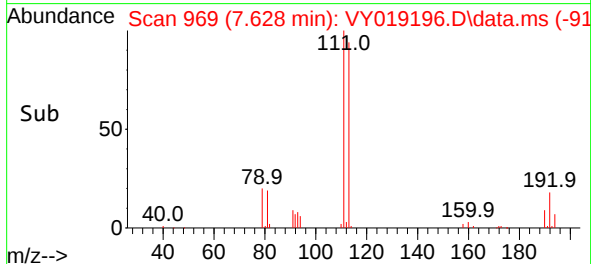


#35  
Dibromofluoromethane  
Concen: 49.151 ug/l  
RT: 7.628 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY019196.D  
Acq: 22 Aug 2024 03:45

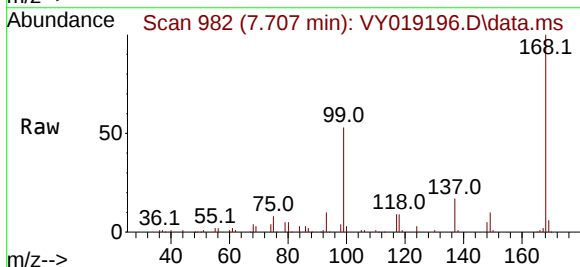
Instrument :  
MSVOA\_Y  
ClientSampleId :



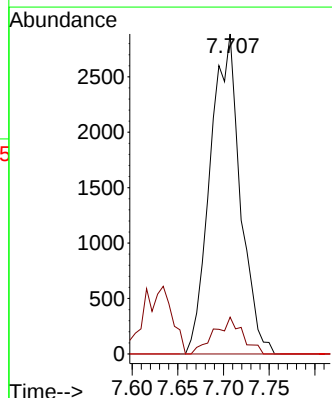
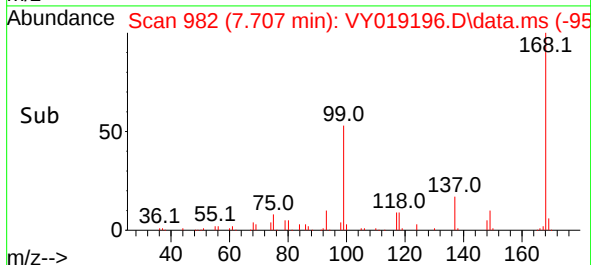
Tgt Ion:113 Resp: 49273  
Ion Ratio Lower Upper  
113 100  
111 103.1 82.2 123.4  
192 18.4 15.9 23.9

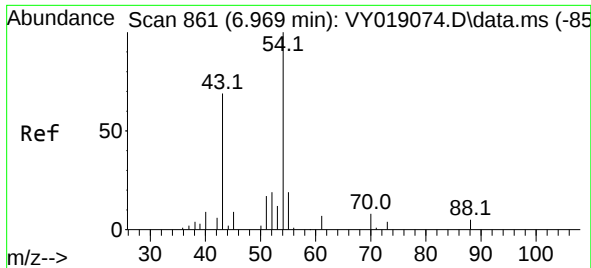


#36  
1,1-Dichloropropene  
Concen: 4.797 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.116 min  
Lab File: VY019196.D  
Acq: 22 Aug 2024 03:45



Tgt Ion: 75 Resp: 6603  
Ion Ratio Lower Upper  
75 100  
110 10.7 19.0 57.0#  
77 0.0 25.3 37.9#

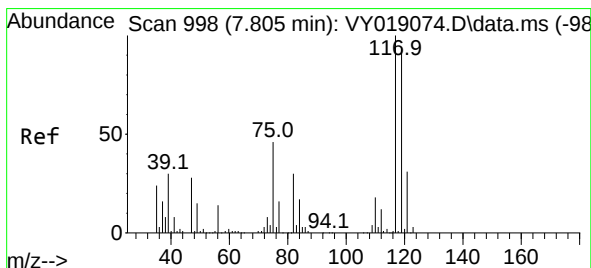
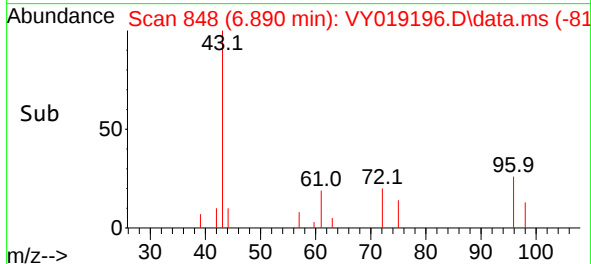
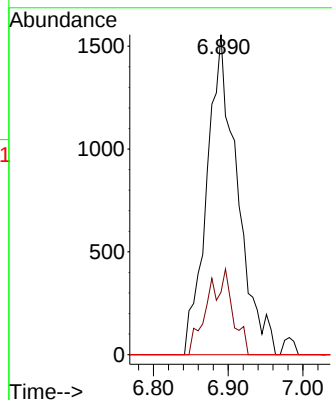
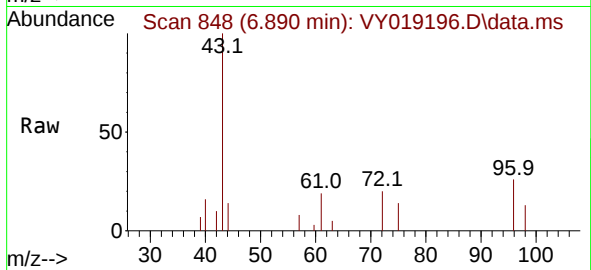




#37  
Ethyl Acetate  
Concen: 7.247 ug/l  
RT: 6.890 min Scan# 841  
Delta R.T. -0.079 min  
Lab File: VY019196.D  
Acq: 22 Aug 2024 03:45

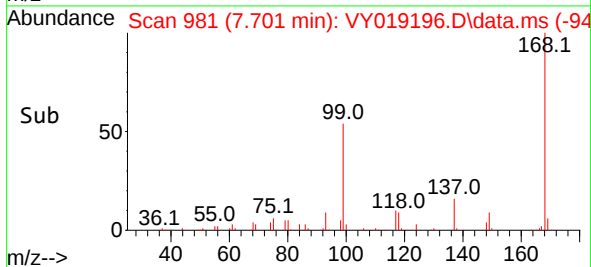
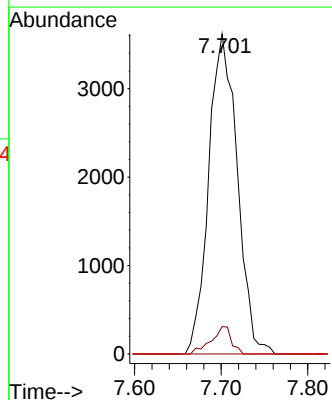
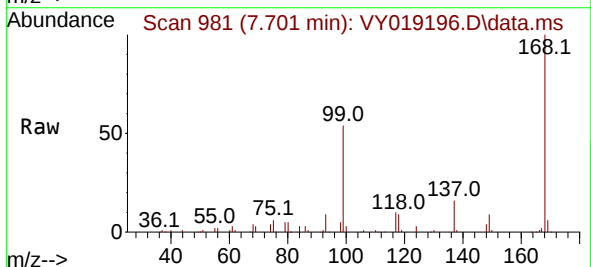
Instrument :  
MSVOA\_Y  
ClientSampleId :

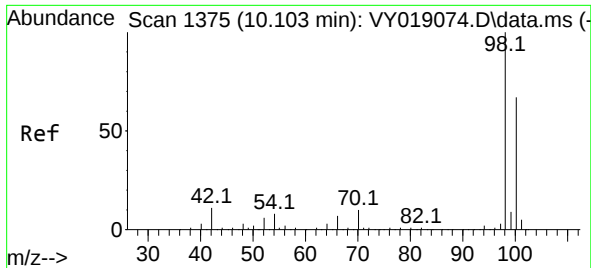
Tgt Ion: 43 Resp: 4420  
Ion Ratio Lower Upper  
43 100  
61 10.6 12.6 19.0#  
70 0.0 7.8 11.8#



#38  
Carbon Tetrachloride  
Concen: 5.193 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. -0.103 min  
Lab File: VY019196.D  
Acq: 22 Aug 2024 03:45

Tgt Ion: 117 Resp: 8284  
Ion Ratio Lower Upper  
117 100  
119 8.6 75.8 113.6#  
121 0.0 24.0 36.0#

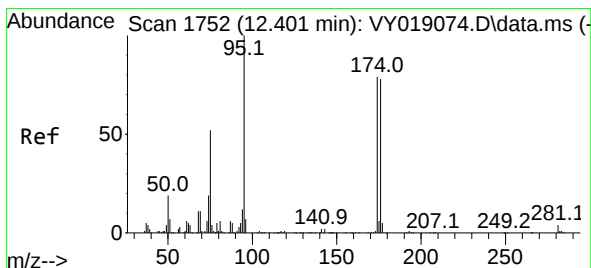
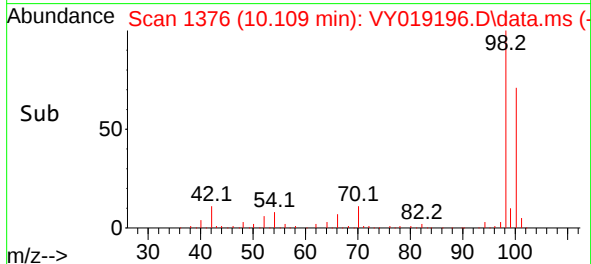
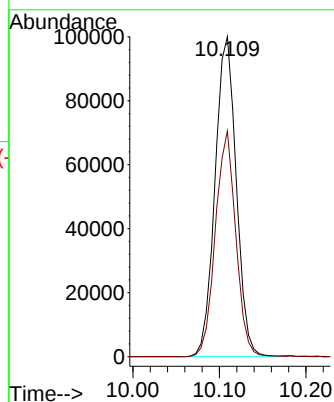
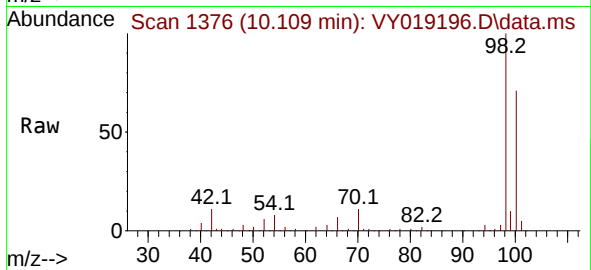




#50  
Toluene-d8  
Concen: 47.214 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY019196.D  
Acq: 22 Aug 2024 03:45

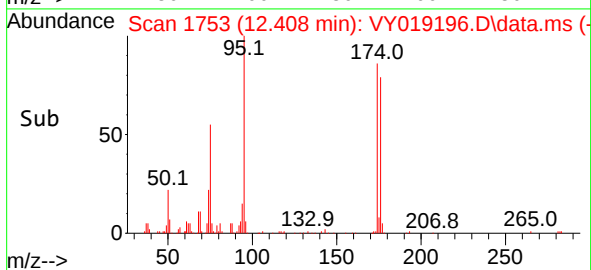
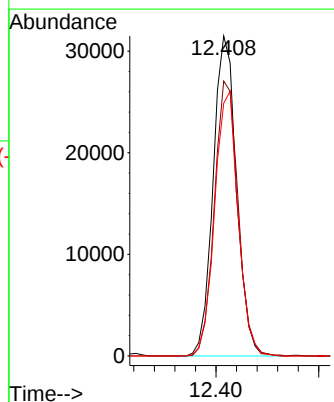
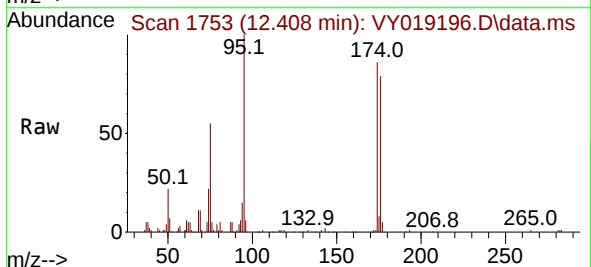
Instrument :  
MSVOA\_Y  
ClientSampleId :

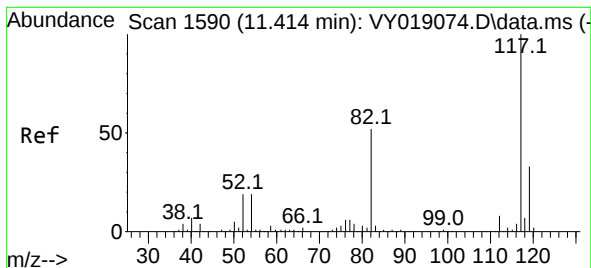
Tgt Ion: 98 Resp: 170328  
Ion Ratio Lower Upper  
98 100  
100 68.0 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 40.165 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY019196.D  
Acq: 22 Aug 2024 03:45

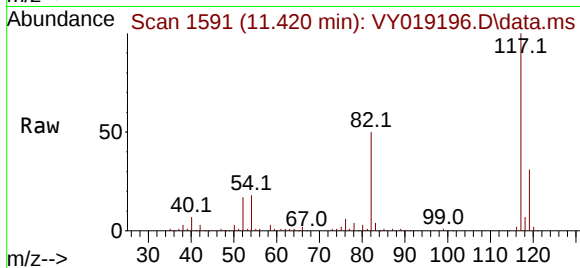
Tgt Ion: 95 Resp: 49396  
Ion Ratio Lower Upper  
95 100  
174 87.6 0.0 175.6  
176 83.2 0.0 171.4



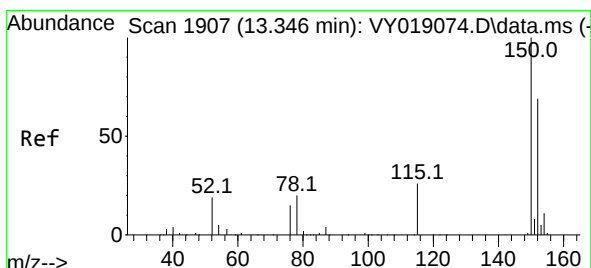
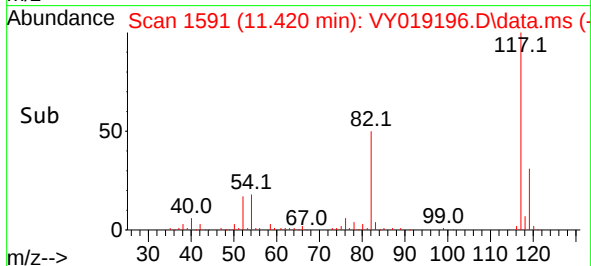
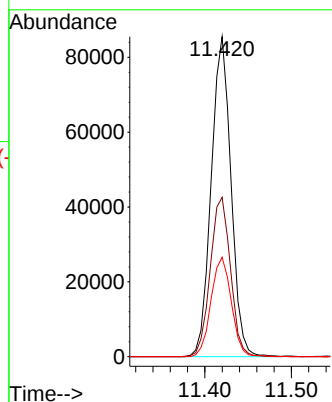


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY019196.D  
Acq: 22 Aug 2024 03:45

Instrument :  
MSVOA\_Y  
ClientSampleId :

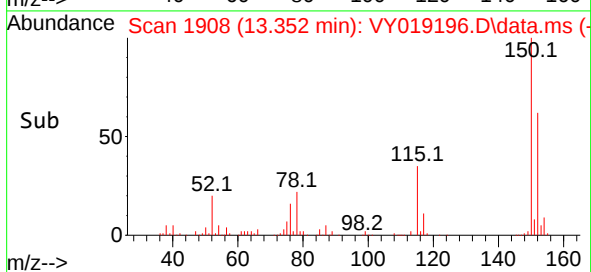
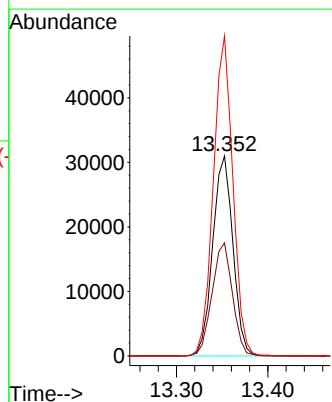
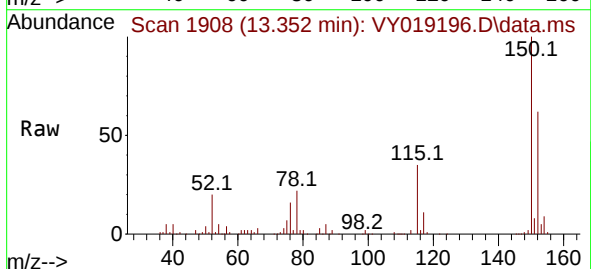


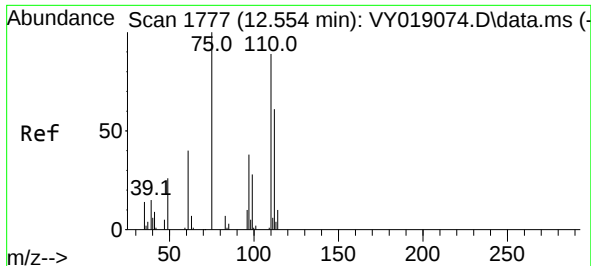
Tgt Ion:117 Resp: 135667  
Ion Ratio Lower Upper  
117 100  
82 49.8 42.4 63.6  
119 31.1 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.352 min Scan# 1908  
Delta R.T. 0.006 min  
Lab File: VY019196.D  
Acq: 22 Aug 2024 03:45

Tgt Ion:152 Resp: 47587  
Ion Ratio Lower Upper  
152 100  
115 57.2 28.2 84.7  
150 154.5 0.0 345.6

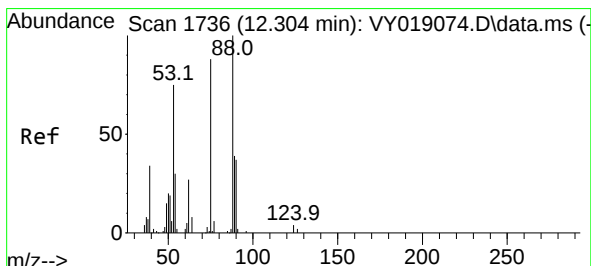
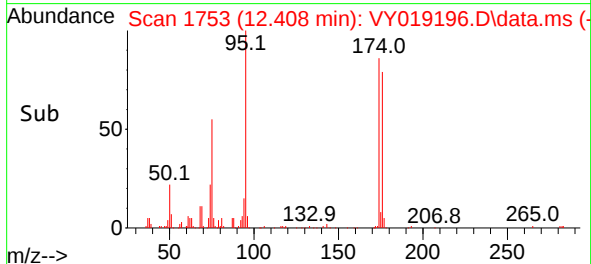
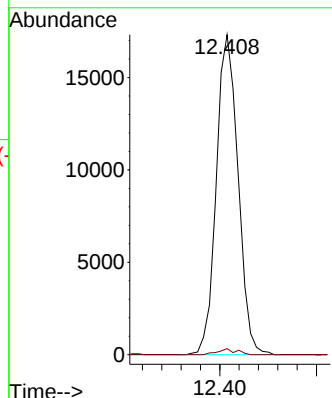
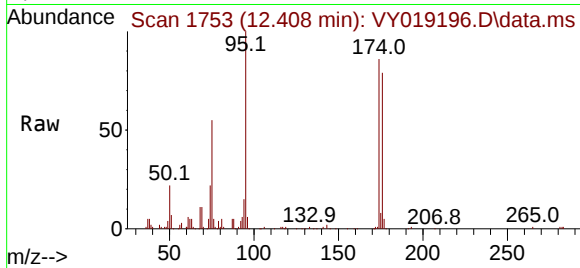




#76  
1,2,3-Trichloropropane  
Concen: 57.469 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.146 min  
Lab File: VY019196.D  
Acq: 22 Aug 2024 03:45

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 26970  
Ion Ratio Lower Upper  
75 100  
77 1.6 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 141.930 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.104 min  
Lab File: VY019196.D  
Acq: 22 Aug 2024 03:45

Tgt Ion: 75 Resp: 26970  
Ion Ratio Lower Upper  
75 100  
53 0.0 66.8 100.2#  
89 0.2 35.8 53.6#

