

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY083024\  
 Data File : VY019412.D  
 Acq On : 30 Aug 2024 21:41  
 Operator : SY/MD  
 Sample : P3737-01  
 Misc : 5.15g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Aug 30 23:22:22 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082924S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 30 02:45:30 2024  
 Response via : Initial Calibration

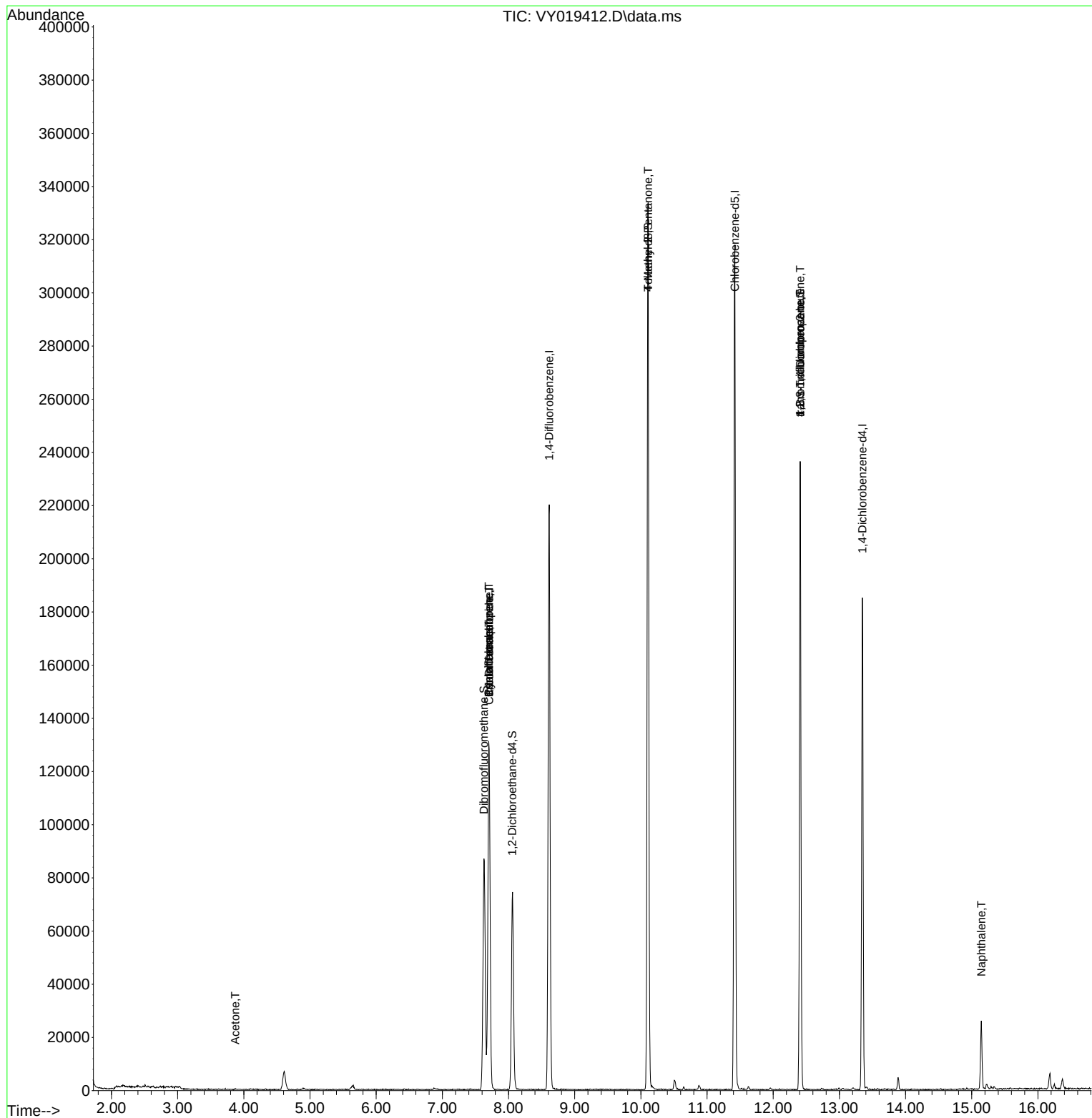
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.701  | 168   | 103071   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.616  | 114   | 191227   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.420 | 117   | 175134   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346 | 152   | 45017    | 50.000    | ug/l       | 0.00     |
|                               |        |       |          |           |            |          |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.055  | 65    | 58009    | 59.419    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 118.840% |          |
| 35) Dibromofluoromethane      | 7.628  | 113   | 62165    | 51.418    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 102.840% |          |
| 50) Toluene-d8                | 10.109 | 98    | 216719   | 48.695    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 97.380%  |          |
| 62) 4-Bromofluorobenzene      | 12.408 | 95    | 66755    | 46.374    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 29 - 146 | Recovery  | = 92.740%  |          |
|                               |        |       |          |           |            |          |
| Target Compounds              |        |       |          |           |            | Qvalue   |
| 5) Bromomethane               | 2.629  | 94    | 150      | Below Cal | 92         |          |
| 16) Acetone                   | 3.873  | 43    | 372      | 1.937     | ug/l       | 95       |
| 20) Methylene Chloride        | 4.610  | 84    | 5232     | Below Cal | #          | 82       |
| 31) Cyclohexane               | 7.701  | 56    | 2149     | 1.294     | ug/l #     | 25       |
| 36) 1,1-Dichloropropene       | 7.701  | 75    | 8068     | 4.722     | ug/l #     | 48       |
| 38) Carbon Tetrachloride      | 7.707  | 117   | 10540    | 5.062     | ug/l #     | 18       |
| 51) 4-Methyl-2-Pentanone      | 10.109 | 43    | 1148     | 1.661     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.408 | 75    | 36037    | 91.154    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408 | 75    | 36037    | 225.523   | ug/l #     | 16       |
| 95) Naphthalene               | 15.145 | 128   | 20054    | 17.359    | ug/l       | 99       |
| -----                         |        |       |          |           |            |          |

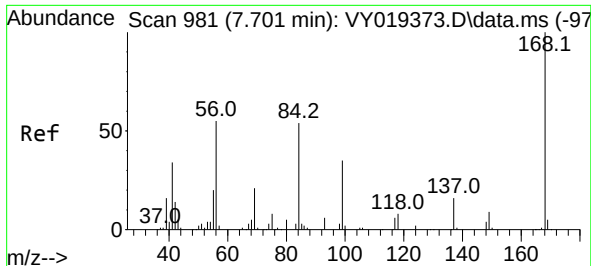
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
ClientSampleId :

Quant Time: Aug 30 23:22:22 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082924S.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 30 02:45:30 2024  
Response via : Initial Calibration

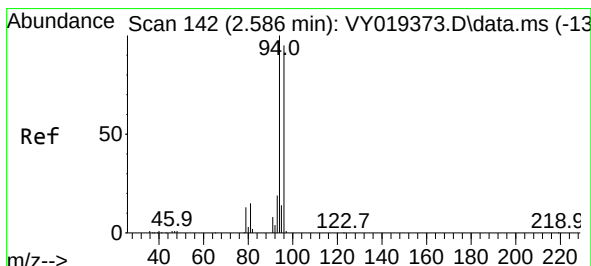
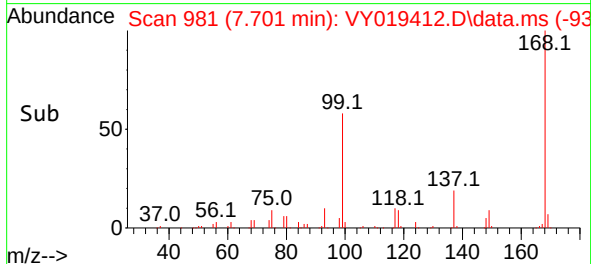
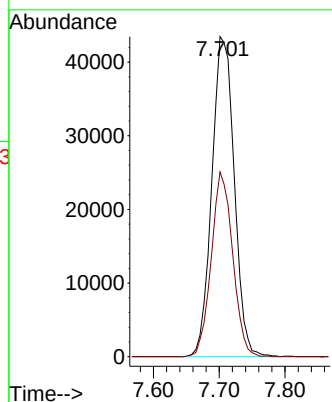
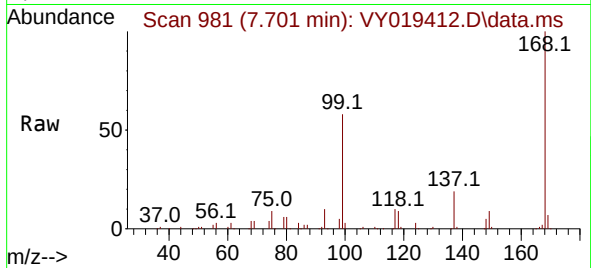




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY019412.D  
Acq: 30 Aug 2024 21:41

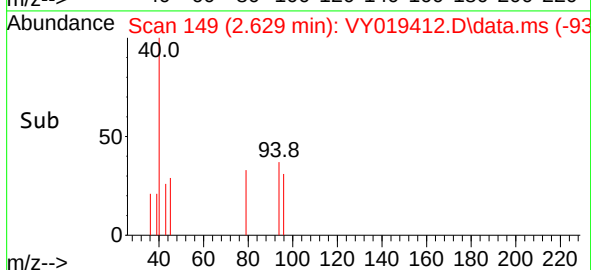
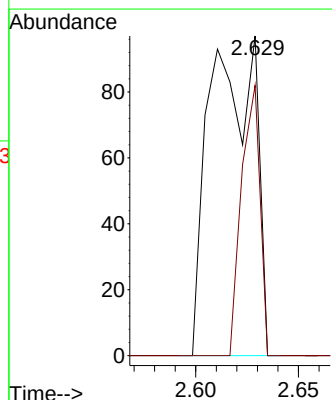
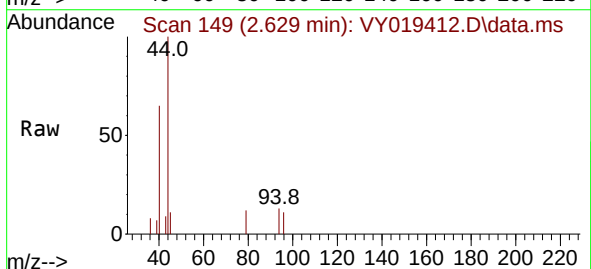
Instrument :  
MSVOA\_Y  
ClientSampleId :

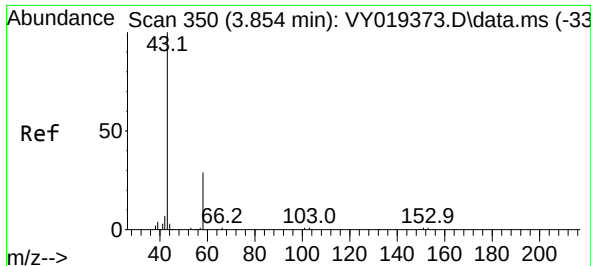
Tgt Ion:168 Resp: 103071  
Ion Ratio Lower Upper  
168 100  
99 57.7 39.1 58.7



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.629 min Scan# 149  
Delta R.T. 0.043 min  
Lab File: VY019412.D  
Acq: 30 Aug 2024 21:41

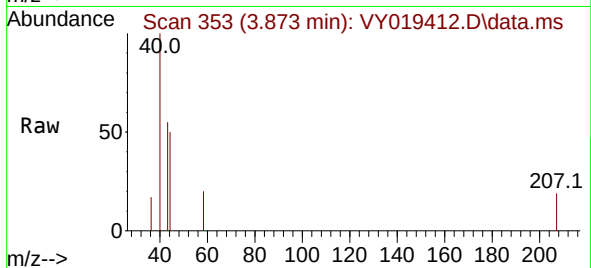
Tgt Ion: 94 Resp: 150  
Ion Ratio Lower Upper  
94 100  
96 84.5 74.1 111.1



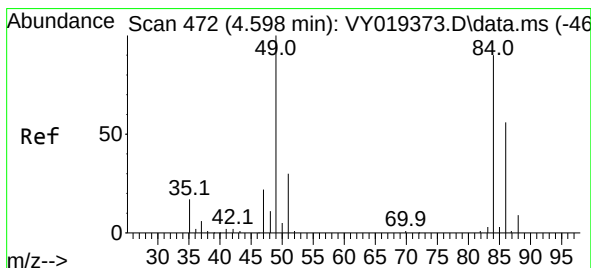
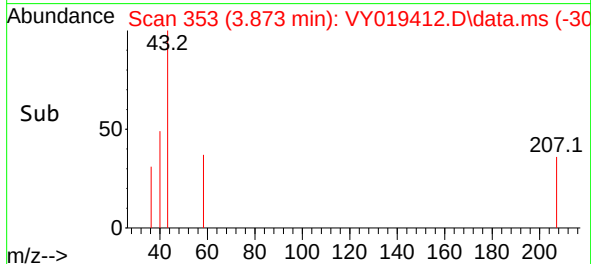
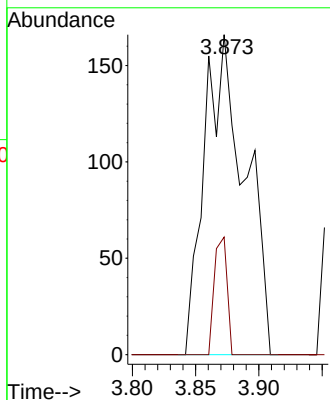


#16  
Acetone  
Concen: 1.937 ug/l  
RT: 3.873 min Scan# 31  
Delta R.T. 0.018 min  
Lab File: VY019412.D  
Acq: 30 Aug 2024 21:41

Instrument :  
MSVOA\_Y  
ClientSampleId :

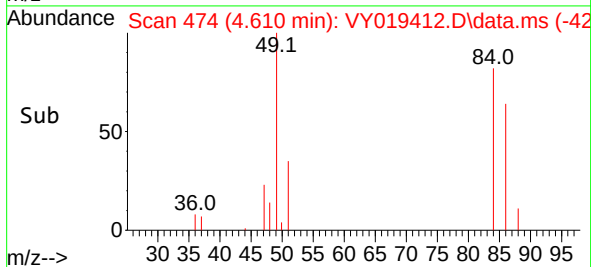
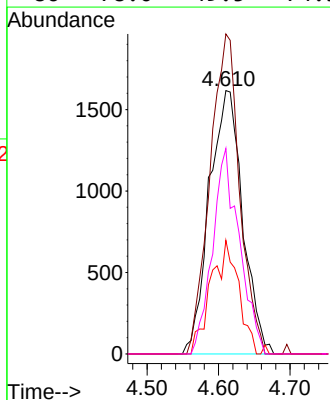
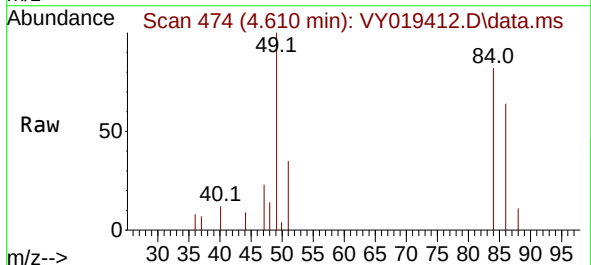


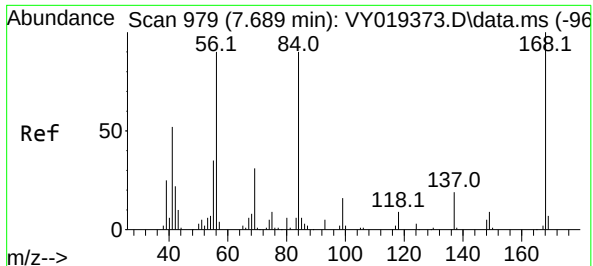
Tgt Ion: 43 Resp: 372  
Ion Ratio Lower Upper  
43 100  
58 36.7 31.7 47.5



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.610 min Scan# 474  
Delta R.T. 0.012 min  
Lab File: VY019412.D  
Acq: 30 Aug 2024 21:41

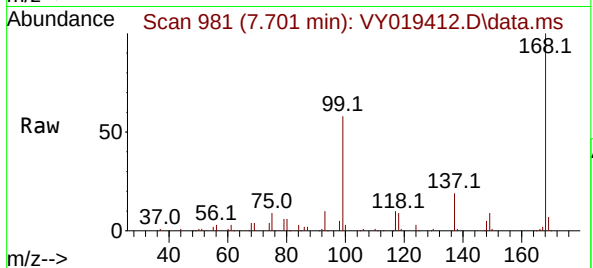
Tgt Ion: 84 Resp: 5232  
Ion Ratio Lower Upper  
84 100  
49 121.5 84.4 126.6  
51 43.1 26.0 39.0#  
86 78.0 49.5 74.3#



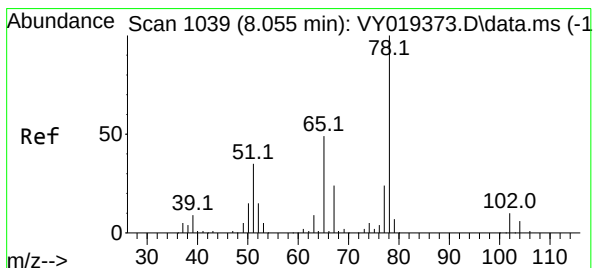
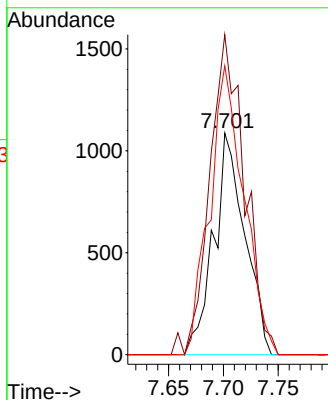
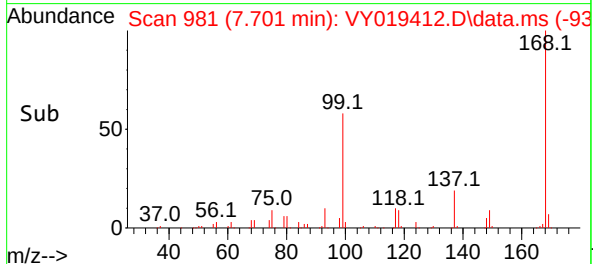


#31  
Cyclohexane  
Concen: 1.294 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. 0.012 min  
Lab File: VY019412.D  
Acq: 30 Aug 2024 21:41

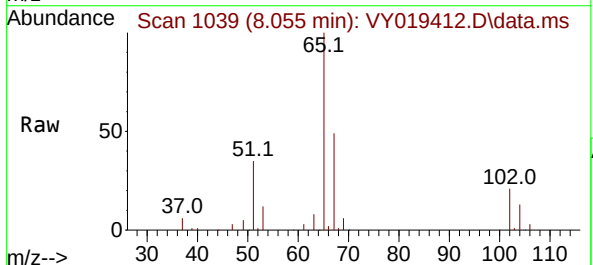
Instrument :  
MSVOA\_Y  
ClientSampleId :



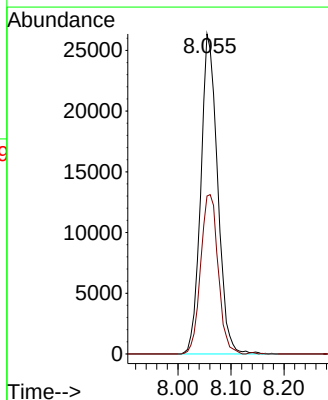
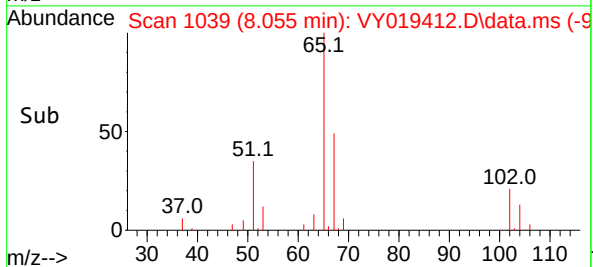
Tgt Ion: 56 Resp: 2149  
Ion Ratio Lower Upper  
56 100  
69 144.4 28.7 43.1#  
84 130.4 77.7 116.5#

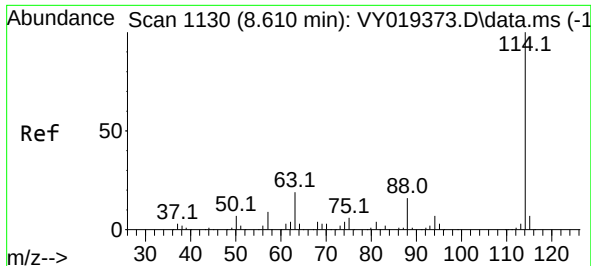


#33  
1,2-Dichloroethane-d4  
Concen: 59.419 ug/l  
RT: 8.055 min Scan# 1039  
Delta R.T. -0.000 min  
Lab File: VY019412.D  
Acq: 30 Aug 2024 21:41



Tgt Ion: 65 Resp: 58009  
Ion Ratio Lower Upper  
65 100  
67 51.7 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019412.D

Acq: 30 Aug 2024 21:41

Instrument :

MSVOA\_Y

ClientSampleId :

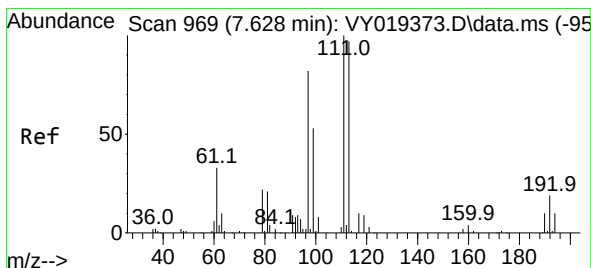
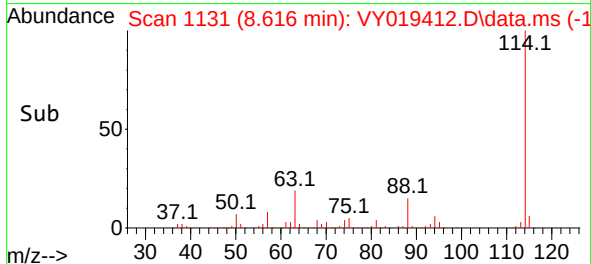
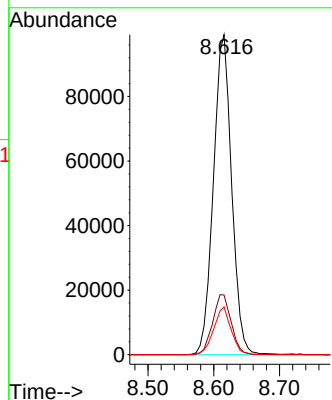
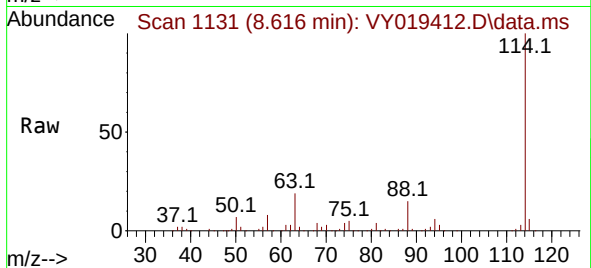
Tgt Ion:114 Resp: 191227

Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.0

88 14.9 0.0 27.2



#35

Dibromofluoromethane

Concen: 51.418 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.000 min

Lab File: VY019412.D

Acq: 30 Aug 2024 21:41

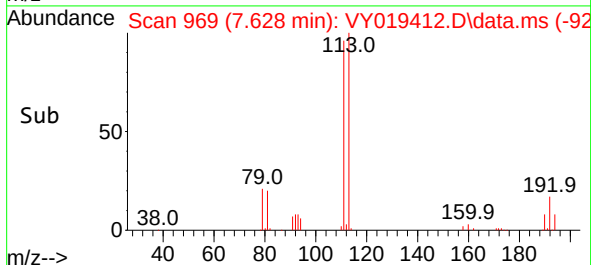
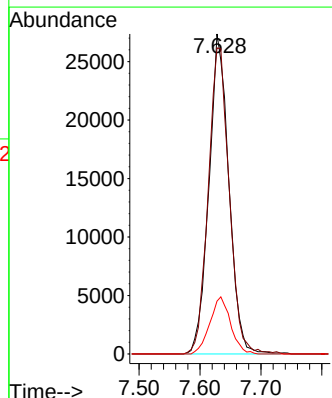
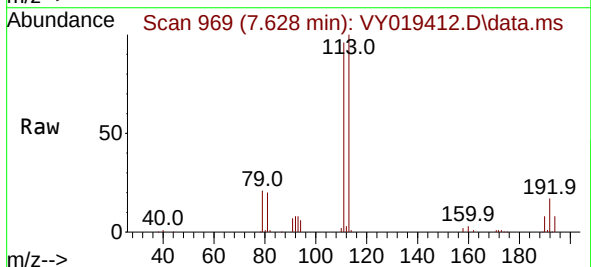
Tgt Ion:113 Resp: 62165

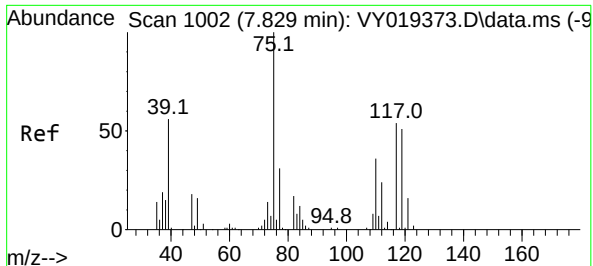
Ion Ratio Lower Upper

113 100

111 100.7 82.2 123.4

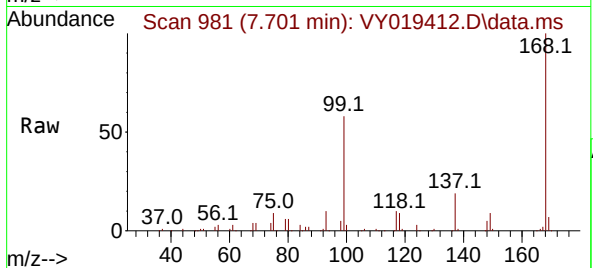
192 18.6 15.9 23.9



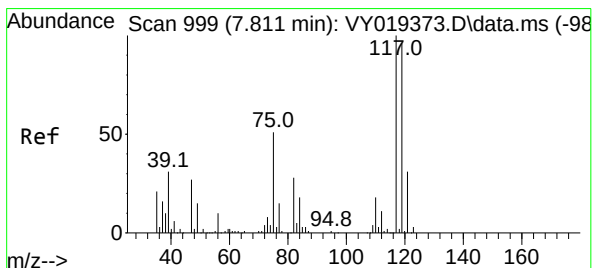
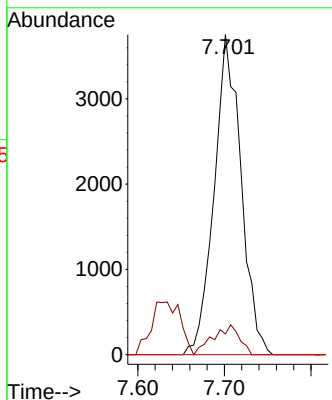
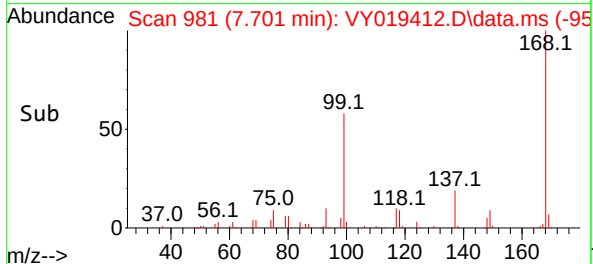


#36  
1,1-Dichloropropene  
Concen: 4.722 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. -0.128 min  
Lab File: VY019412.D  
Acq: 30 Aug 2024 21:41

Instrument :  
MSVOA\_Y  
ClientSampleId :

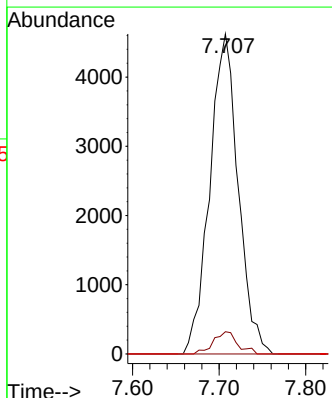
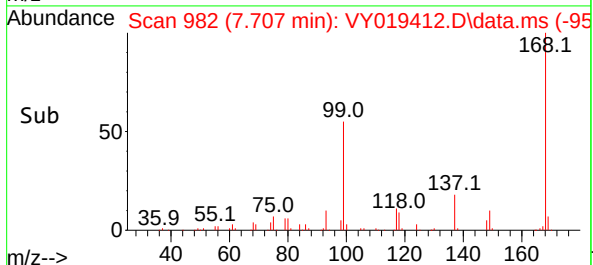
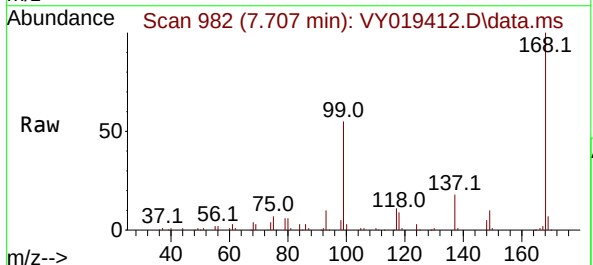


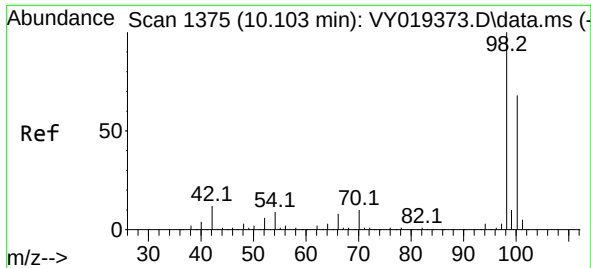
Tgt Ion: 75 Resp: 8068  
Ion Ratio Lower Upper  
75 100  
110 9.1 19.0 57.0#  
77 0.0 25.3 37.9#



#38  
Carbon Tetrachloride  
Concen: 5.062 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.104 min  
Lab File: VY019412.D  
Acq: 30 Aug 2024 21:41

Tgt Ion: 117 Resp: 10540  
Ion Ratio Lower Upper  
117 100  
119 6.9 75.8 113.6#  
121 0.0 24.0 36.0#

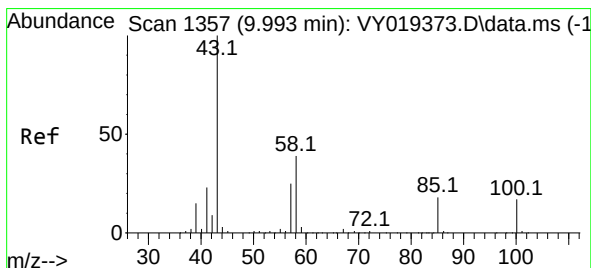
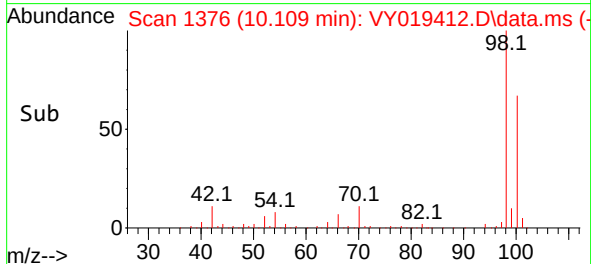
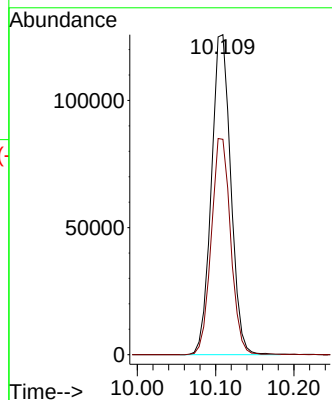
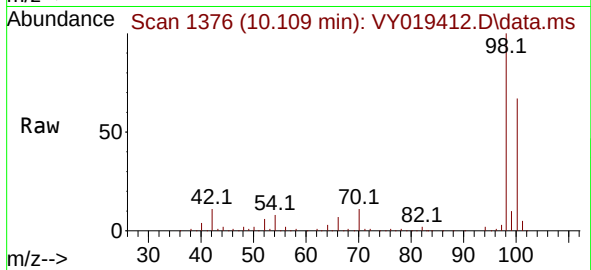




#50  
Toluene-d8  
Concen: 48.695 ug/l  
RT: 10.109 min Scan# 1375  
Delta R.T. 0.006 min  
Lab File: VY019412.D  
Acq: 30 Aug 2024 21:41

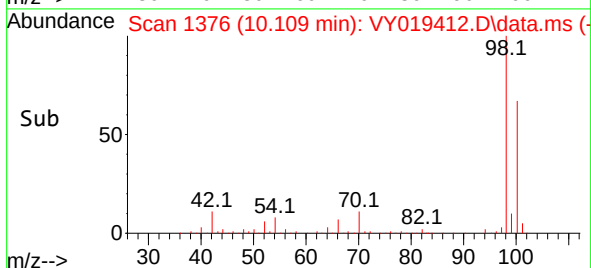
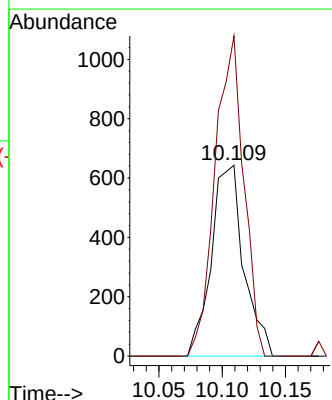
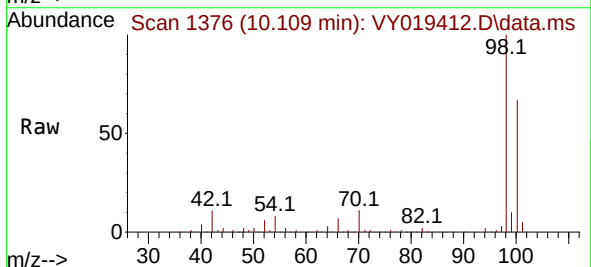
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 98 Resp: 216719  
Ion Ratio Lower Upper  
98 100  
100 67.4 52.0 78.0

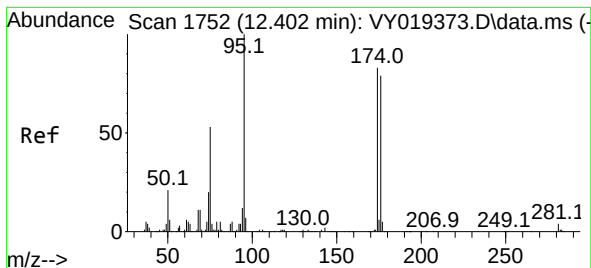


#51  
4-Methyl-2-Pentanone  
Concen: 1.661 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.116 min  
Lab File: VY019412.D  
Acq: 30 Aug 2024 21:41

Tgt Ion: 43 Resp: 1148  
Ion Ratio Lower Upper  
43 100  
58 148.3 35.7 53.5#



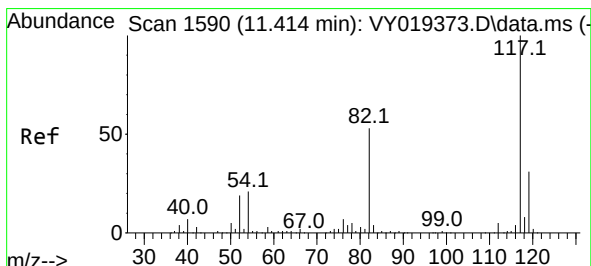
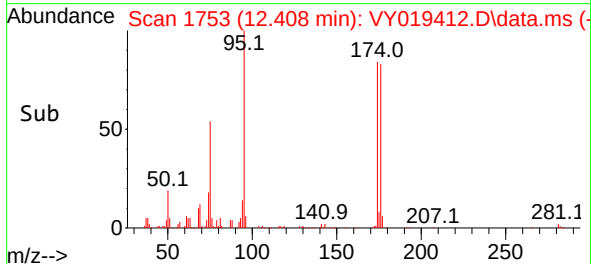
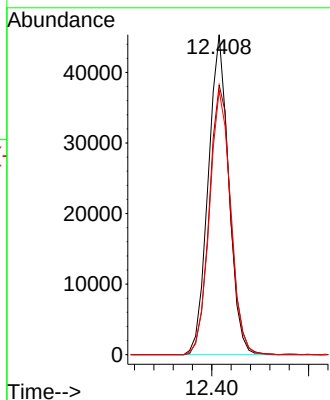
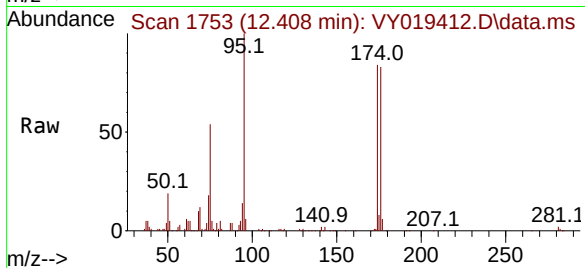




#62  
4-Bromofluorobenzene  
Concen: 46.374 ug/l  
RT: 12.408 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY019412.D  
Acq: 30 Aug 2024 21:41

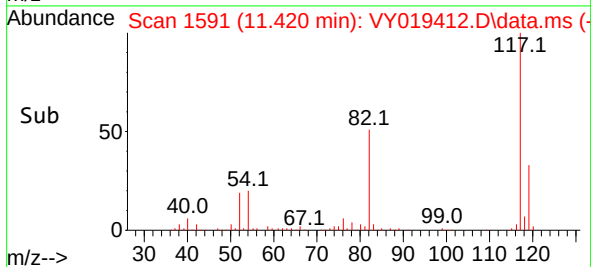
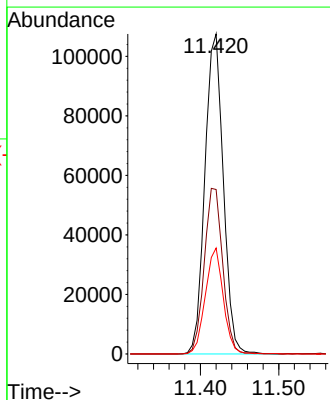
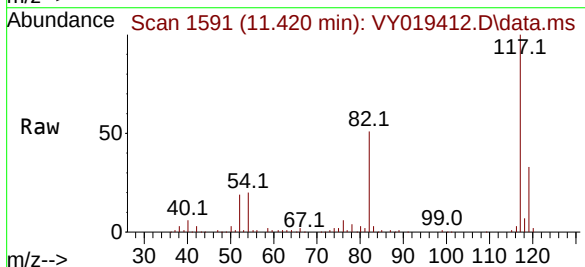
Instrument :  
MSVOA\_Y  
ClientSampleId :

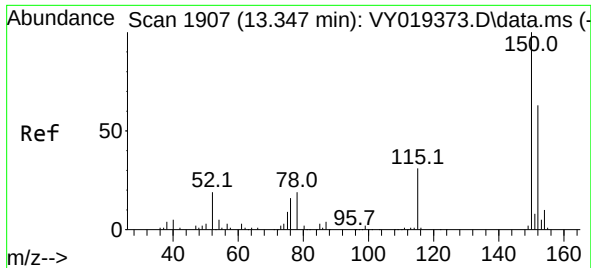
Tgt Ion: 95 Resp: 66755  
Ion Ratio Lower Upper  
95 100  
174 87.5 0.0 175.6  
176 85.6 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 1591  
Delta R.T. 0.006 min  
Lab File: VY019412.D  
Acq: 30 Aug 2024 21:41

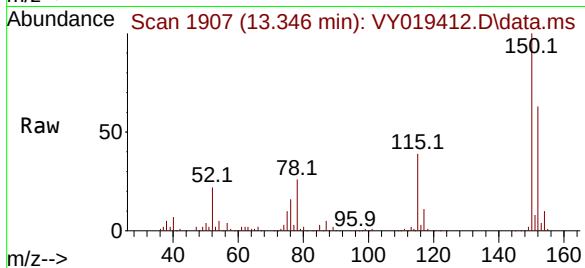
Tgt Ion: 117 Resp: 175134  
Ion Ratio Lower Upper  
117 100  
82 51.4 42.4 63.6  
119 33.1 25.9 38.9



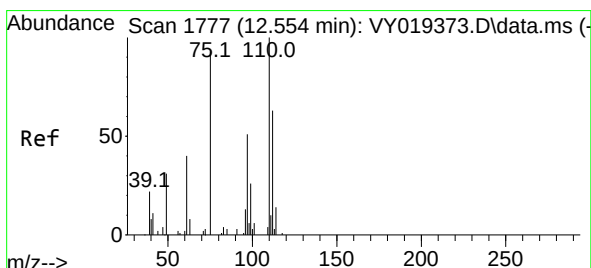
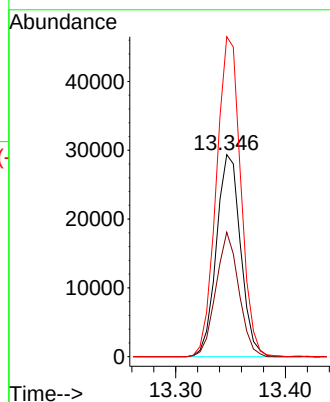
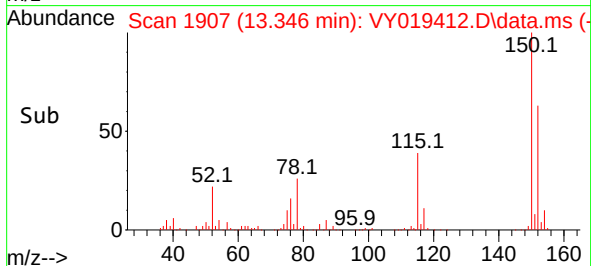


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.346 min Scan# 1907  
 Delta R.T. -0.000 min  
 Lab File: VY019412.D  
 Acq: 30 Aug 2024 21:41

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

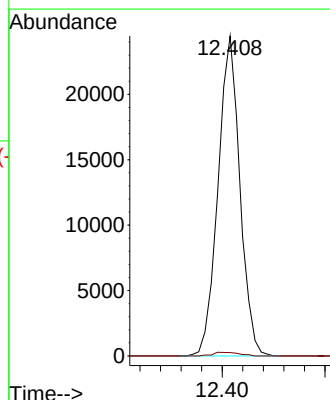
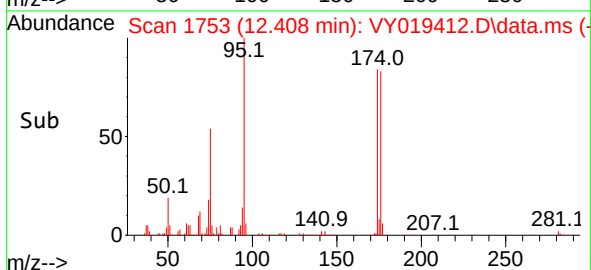
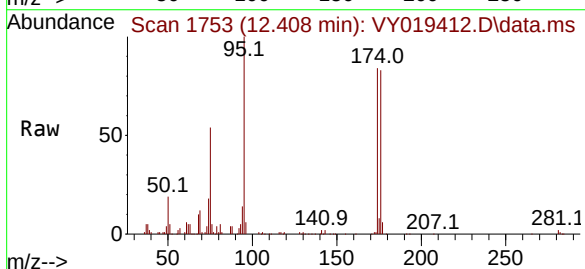


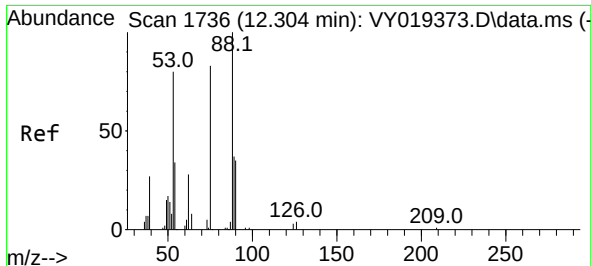
Tgt Ion:152 Resp: 45017  
 Ion Ratio Lower Upper  
 152 100  
 115 58.4 28.2 84.7  
 150 159.3 0.0 345.6



#76  
 1,2,3-Trichloropropane  
 Concen: 91.154 ug/l  
 RT: 12.408 min Scan# 1753  
 Delta R.T. -0.146 min  
 Lab File: VY019412.D  
 Acq: 30 Aug 2024 21:41

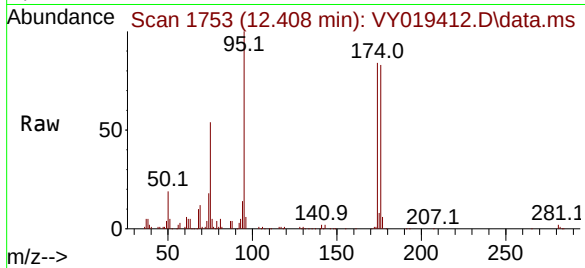
Tgt Ion: 75 Resp: 36037  
 Ion Ratio Lower Upper  
 75 100  
 77 1.4 0.0 0.0#



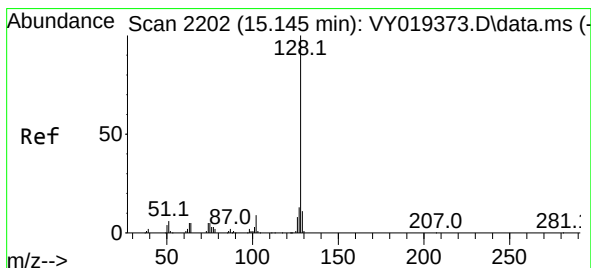
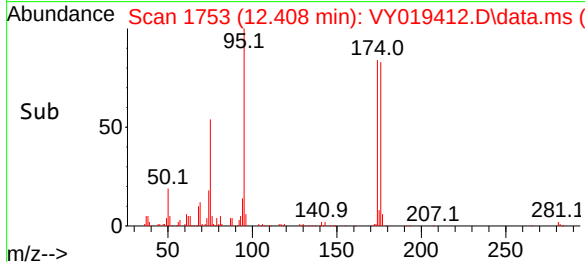
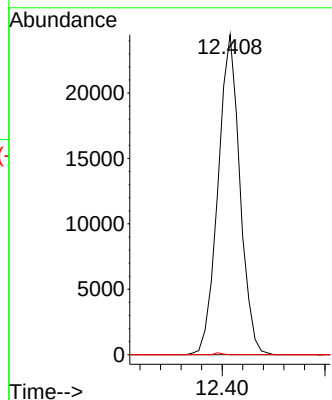


#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 225.523 ug/l  
 RT: 12.408 min Scan# 1753  
 Delta R.T. 0.104 min  
 Lab File: VY019412.D  
 Acq: 30 Aug 2024 21:41

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 36037  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 66.8 100.2#  
 89 0.2 35.8 53.6#



#95  
 Naphthalene  
 Concen: 17.359 ug/l  
 RT: 15.145 min Scan# 2202  
 Delta R.T. -0.000 min  
 Lab File: VY019412.D  
 Acq: 30 Aug 2024 21:41

Tgt Ion: 128 Resp: 20054  
 Ion Ratio Lower Upper  
 128 100  
 127 13.2 10.6 16.0  
 129 11.2 8.6 13.0

