

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092624\  
 Data File : VY019705.D  
 Acq On : 26 Sep 2024 11:38  
 Operator : SY/MD  
 Sample : VY0926SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Sep 27 01:59:04 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090924S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 09 16:00:30 2024  
 Response via : Initial Calibration

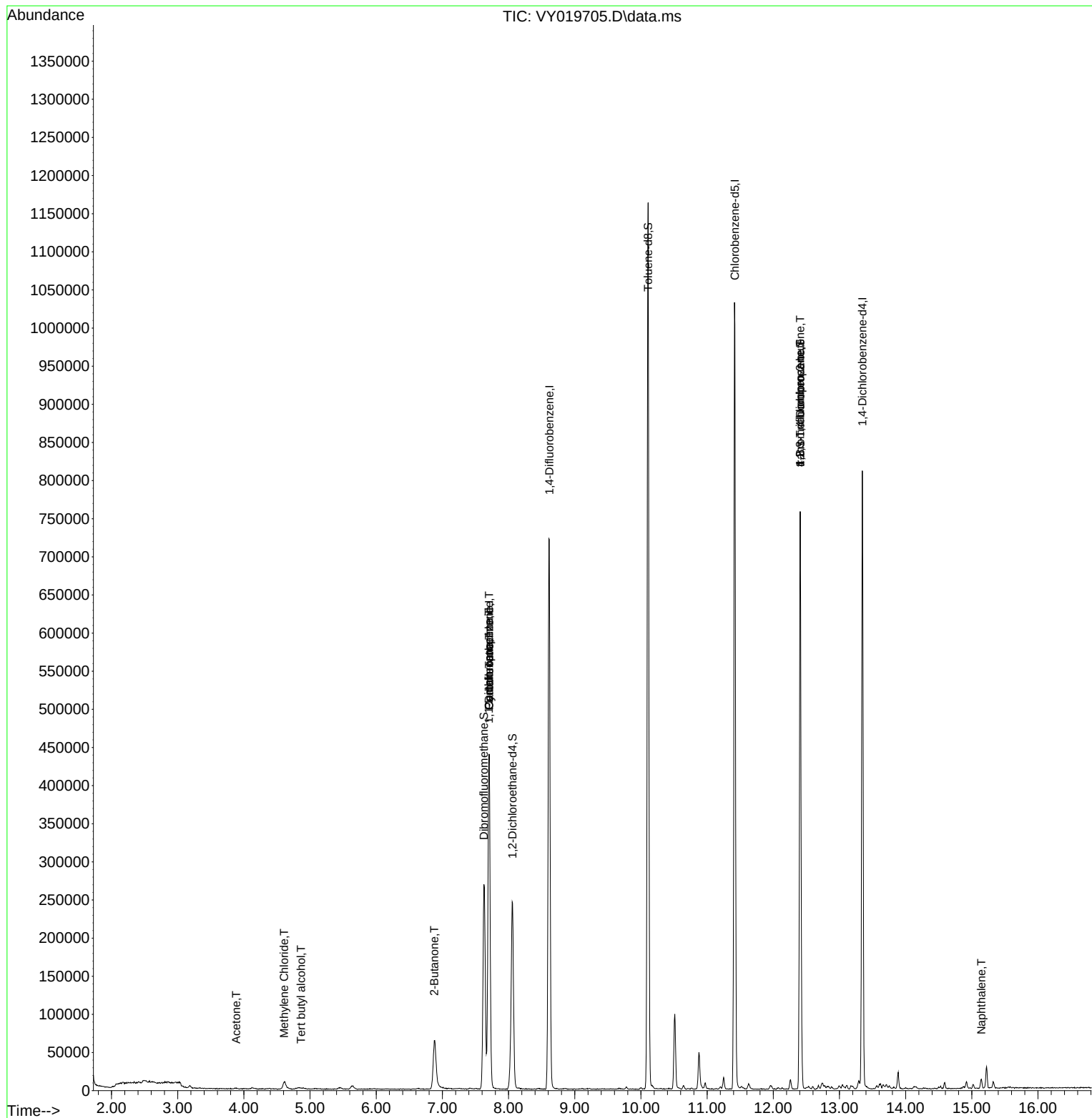
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.707     | 168   | 332687   | 50.000    | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.615     | 114   | 627931   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.420    | 117   | 543095   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346    | 152   | 193322   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.061     | 65    | 181883   | 59.041    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 118.080% |          |
| 35) Dibromofluoromethane      | 7.628     | 113   | 194955   | 54.759    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 109.520% |          |
| 50) Toluene-d8                | 10.109    | 98    | 740755   | 56.252    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery  | = 112.500% |          |
| 62) 4-Bromofluorobenzene      | 12.407    | 95    | 226038   | 44.641    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 29 - 146 | Recovery  | = 89.280%  |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 1.867     | 85    | 121      | Below Cal | #          | 43       |
| 11) Tert butyl alcohol        | 4.866     | 59    | 877      | 3.525     | ug/l       | # 88     |
| 13) Acrolein                  | 3.683     | 56    | 29       | Below Cal | #          | 15       |
| 16) Acetone                   | 3.885     | 43    | 2389     | 3.255     | ug/l       | # 76     |
| 20) Methylene Chloride        | 4.610     | 84    | 6517     | 1.947     | ug/l       | # 88     |
| 25) 2-Butanone                | 6.878     | 43    | 4517     | 4.327     | ug/l       | # 66     |
| 31) Cyclohexane               | 7.707     | 56    | 8388     | 1.521     | ug/l       | # 26     |
| 36) 1,1-Dichloropropene       | 7.701     | 75    | 29174    | 6.022     | ug/l       | # 49     |
| 38) Carbon Tetrachloride      | 7.707     | 117   | 35536    | 6.505     | ug/l       | # 16     |
| 76) 1,2,3-Trichloropropane    | 12.407    | 75    | 123416   | 68.111    | ug/l       | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.407    | 75    | 123416   | 130.753   | ug/l       | # 16     |
| 95) Naphthalene               | 15.145    | 128   | 9282     | 1.413     | ug/l       | 99       |
| -----                         |           |       |          |           |            |          |

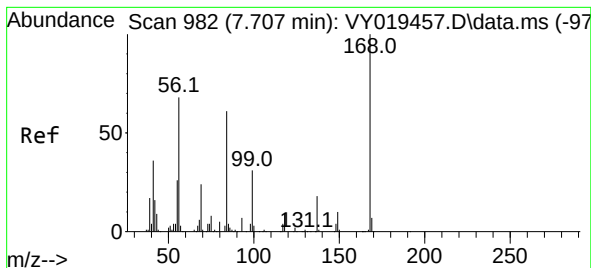
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092624\  
Data File : VY019705.D  
Acq On : 26 Sep 2024 11:38  
Operator : SY/MD  
Sample : VY0926SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Sep 27 01:59:04 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090924S.M  
Quant Title : SW846 8260  
QLast Update : Mon Sep 09 16:00:30 2024  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY019705.D

Acq: 26 Sep 2024 11:38

Instrument :

MSVOA\_Y

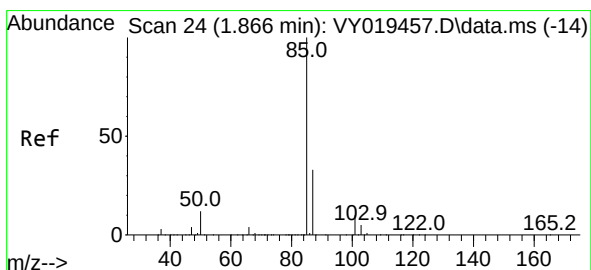
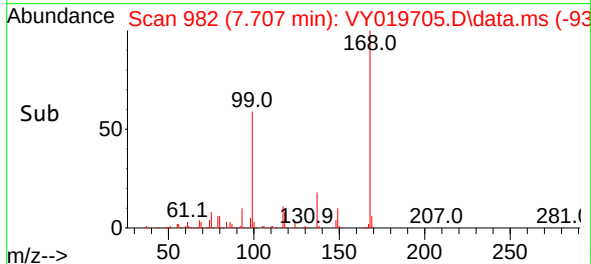
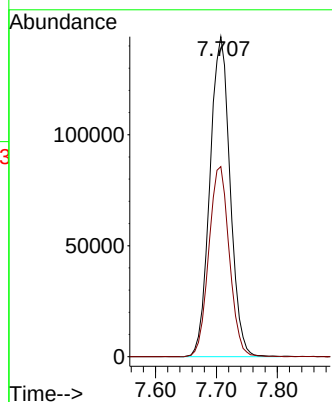
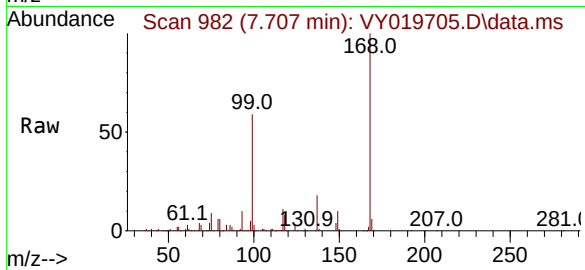
ClientSampleId :

Tgt Ion:168 Resp: 332687

Ion Ratio Lower Upper

168 100

99 59.4 39.1 58.7#



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.867 min Scan# 24

Delta R.T. 0.001 min

Lab File: VY019705.D

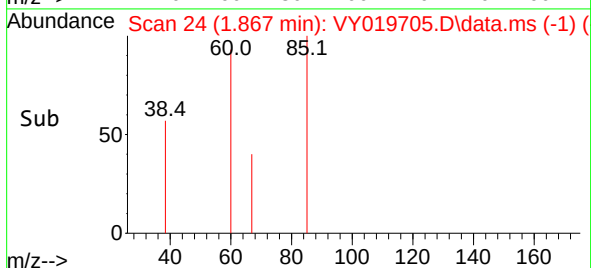
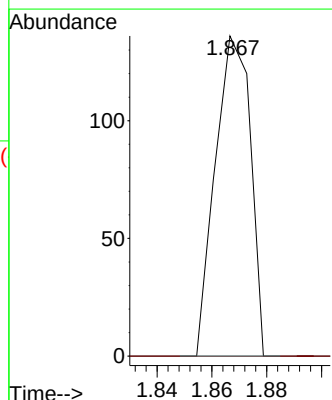
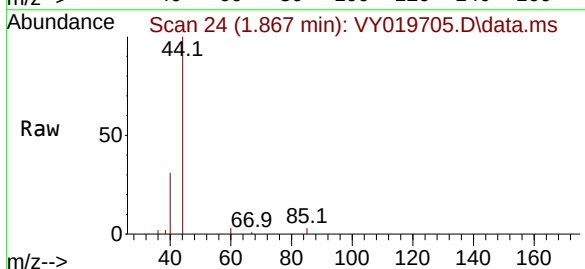
Acq: 26 Sep 2024 11:38

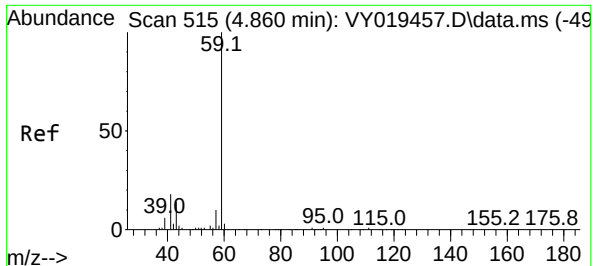
Tgt Ion: 85 Resp: 121

Ion Ratio Lower Upper

85 100

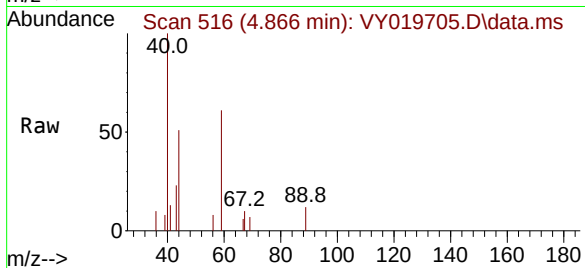
87 0.0 16.0 48.0#



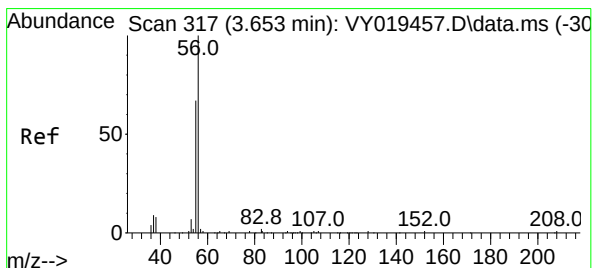
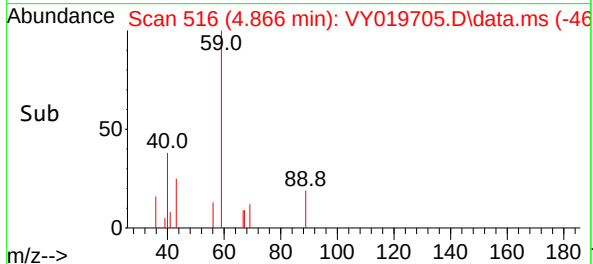
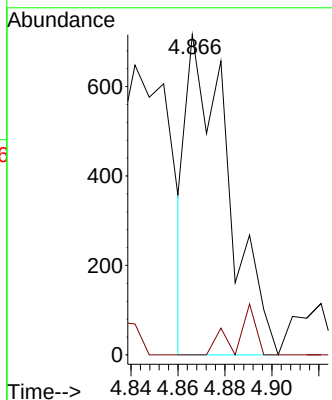


#11  
Tert butyl alcohol  
Concen: 3.525 ug/l  
RT: 4.866 min Scan# 515  
Delta R.T. 0.006 min  
Lab File: VY019705.D  
Acq: 26 Sep 2024 11:38

Instrument :  
MSVOA\_Y  
ClientSampleId :

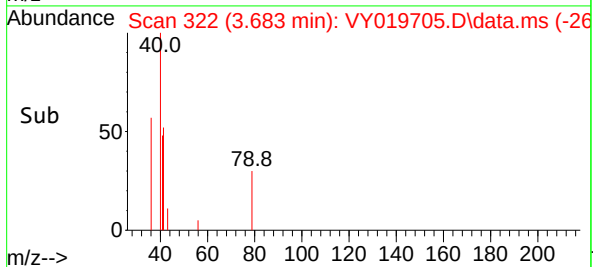
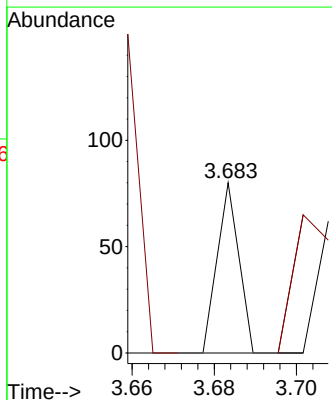
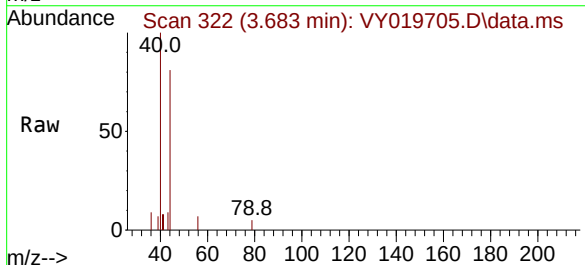


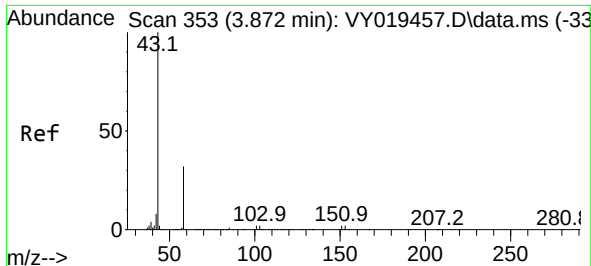
Tgt Ion: 59 Resp: 877  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.6#



#13  
Acrolein  
Concen: Below Cal  
RT: 3.683 min Scan# 322  
Delta R.T. 0.030 min  
Lab File: VY019705.D  
Acq: 26 Sep 2024 11:38

Tgt Ion: 56 Resp: 29  
Ion Ratio Lower Upper  
56 100  
55 0.0 55.7 83.5#

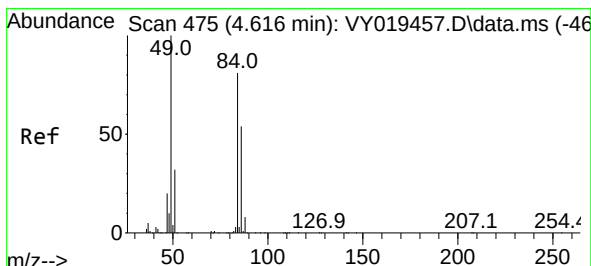
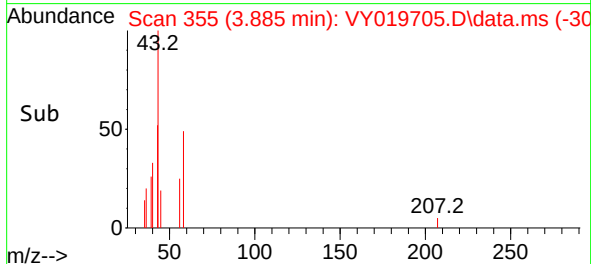
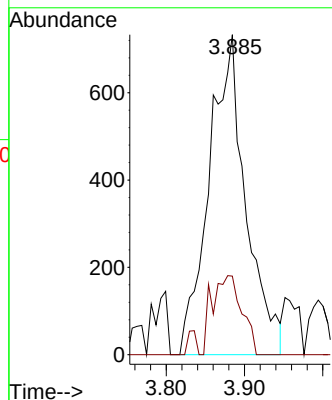
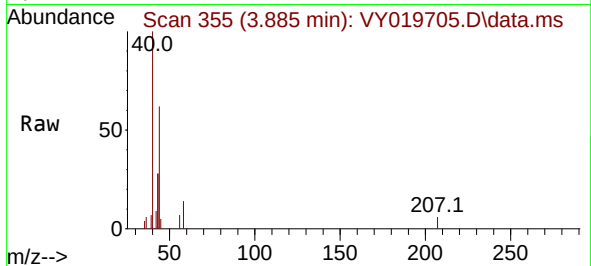




#16  
Acetone  
Concen: 3.255 ug/l  
RT: 3.885 min Scan# 31  
Delta R.T. 0.012 min  
Lab File: VY019705.D  
Acq: 26 Sep 2024 11:38

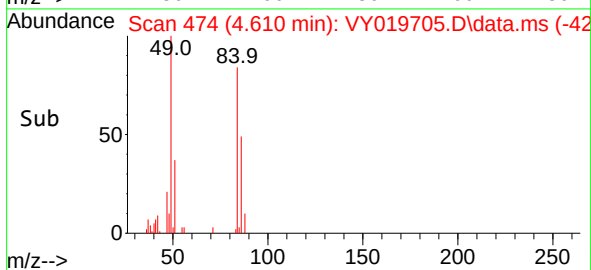
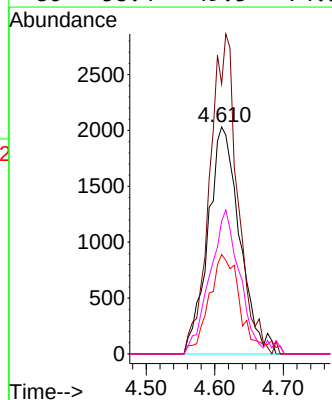
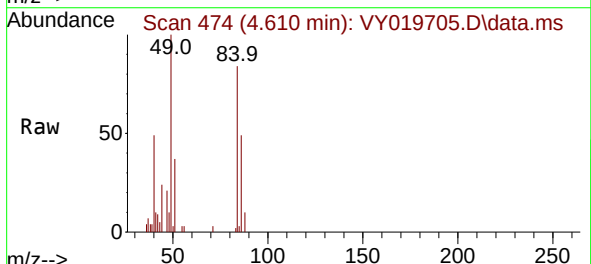
Instrument :  
MSVOA\_Y  
ClientSampleId :

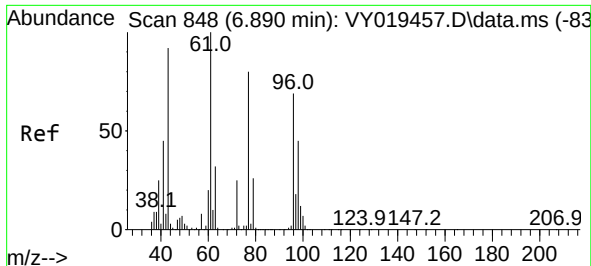
Tgt Ion: 43 Resp: 2389  
Ion Ratio Lower Upper  
43 100  
58 24.6 31.7 47.5#



#20  
Methylene Chloride  
Concen: 1.947 ug/l  
RT: 4.610 min Scan# 474  
Delta R.T. -0.006 min  
Lab File: VY019705.D  
Acq: 26 Sep 2024 11:38

Tgt Ion: 84 Resp: 6517  
Ion Ratio Lower Upper  
84 100  
49 119.0 84.4 126.6  
51 43.9 26.0 39.0#  
86 58.4 49.5 74.3

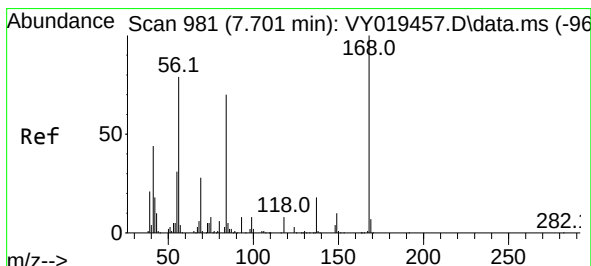
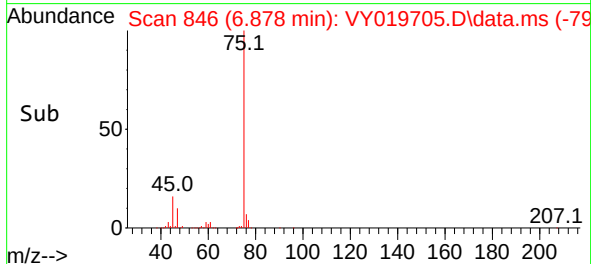
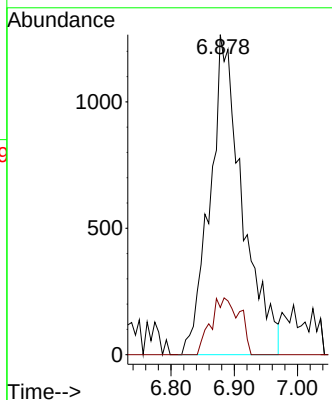
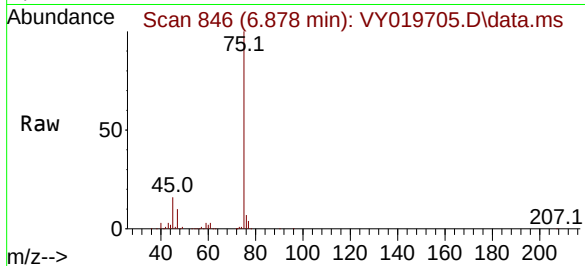




#25  
2-Butanone  
Concen: 4.327 ug/l  
RT: 6.878 min Scan# 84  
Delta R.T. -0.012 min  
Lab File: VY019705.D  
Acq: 26 Sep 2024 11:38

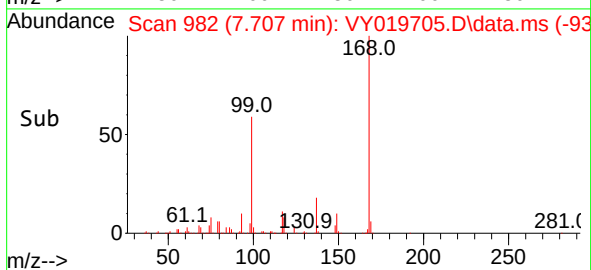
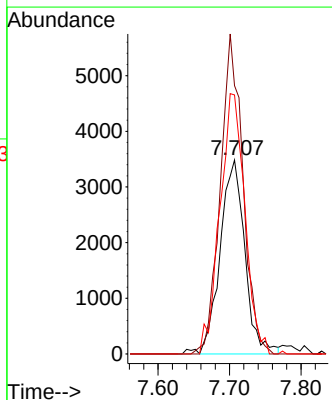
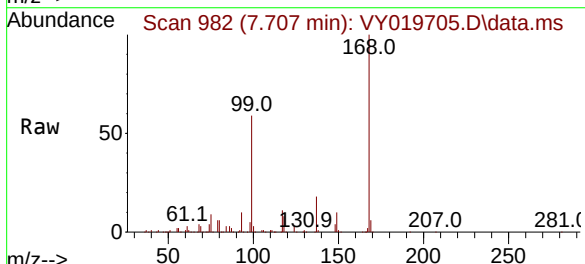
Instrument :  
MSVOA\_Y  
ClientSampleId :

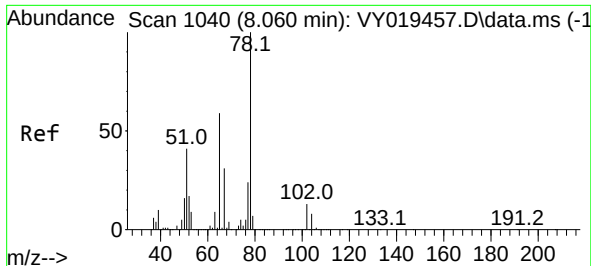
Tgt Ion: 43 Resp: 4517  
Ion Ratio Lower Upper  
43 100  
72 14.8 27.3 40.9#



#31  
Cyclohexane  
Concen: 1.521 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.006 min  
Lab File: VY019705.D  
Acq: 26 Sep 2024 11:38

Tgt Ion: 56 Resp: 8388  
Ion Ratio Lower Upper  
56 100  
69 138.4 28.7 43.1#  
84 133.6 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 59.041 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY019705.D

Acq: 26 Sep 2024 11:38

Instrument :

MSVOA\_Y

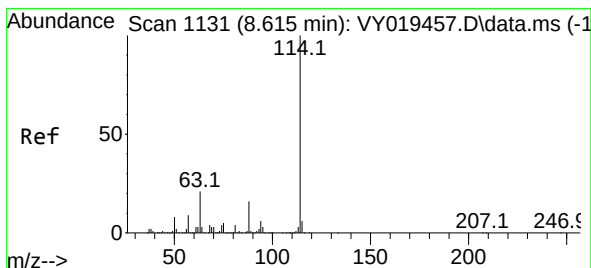
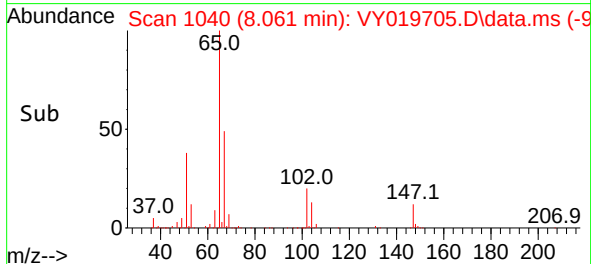
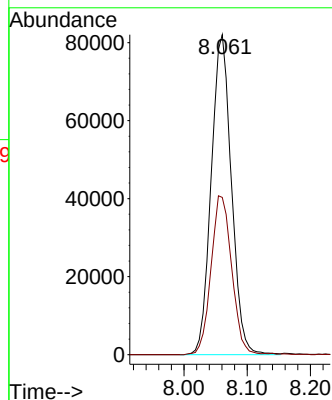
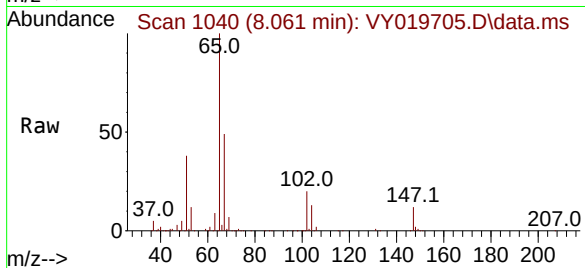
ClientSampleId :

Tgt Ion: 65 Resp: 181883

Ion Ratio Lower Upper

65 100

67 51.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019705.D

Acq: 26 Sep 2024 11:38

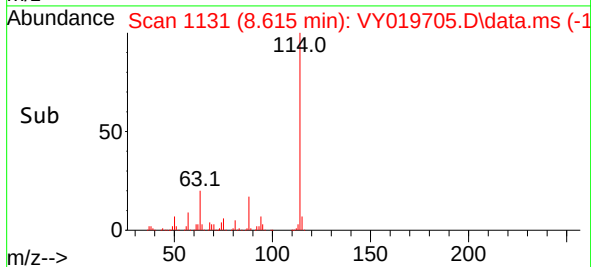
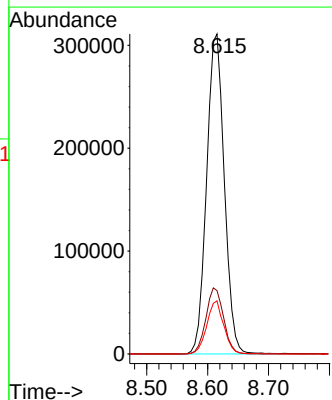
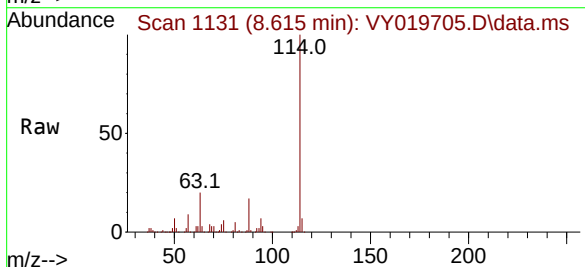
Tgt Ion: 114 Resp: 627931

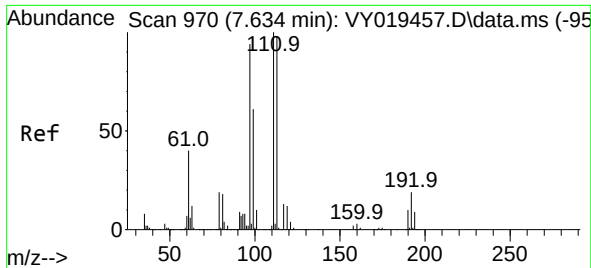
Ion Ratio Lower Upper

114 100

63 19.8 0.0 35.0

88 16.6 0.0 27.2

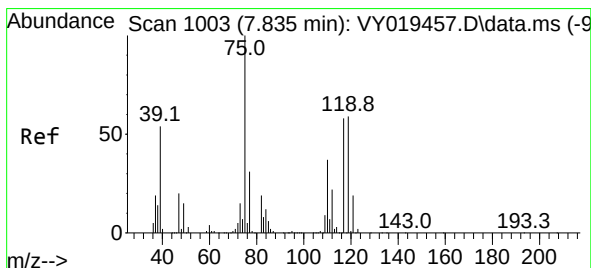
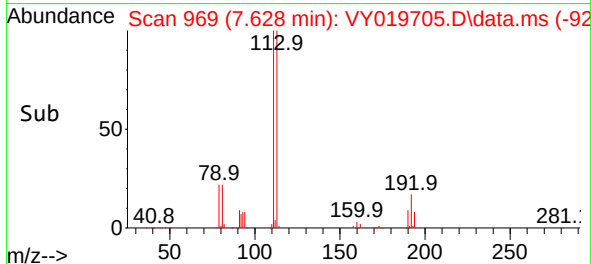
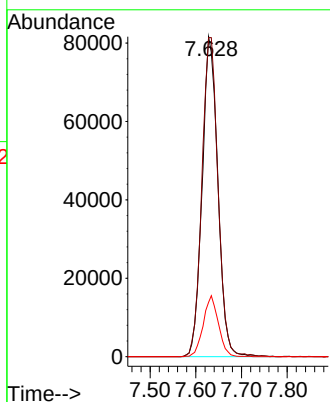
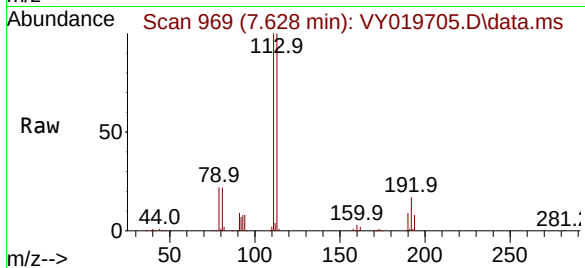




#35  
Dibromofluoromethane  
Concen: 54.759 ug/l  
RT: 7.628 min Scan# 910  
Delta R.T. -0.006 min  
Lab File: VY019705.D  
Acq: 26 Sep 2024 11:38

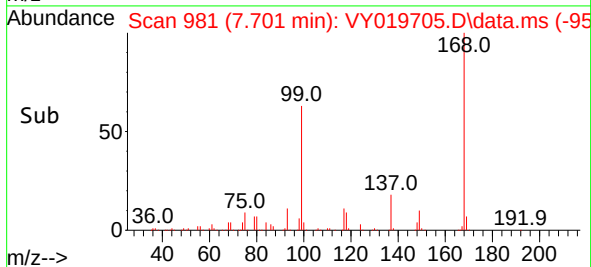
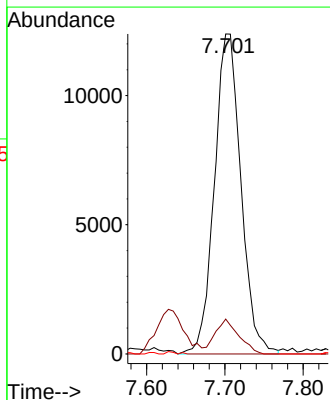
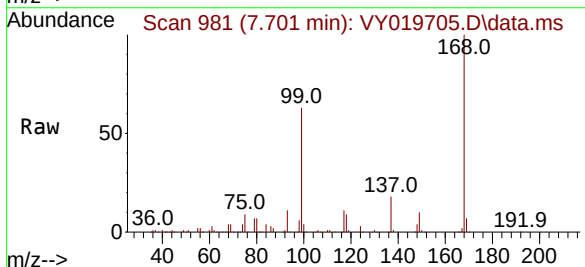
Instrument :  
MSVOA\_Y  
ClientSampleId :

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.3 | 82.2  | 123.4 |
| 192     | 18.3  | 15.9  | 23.9  |

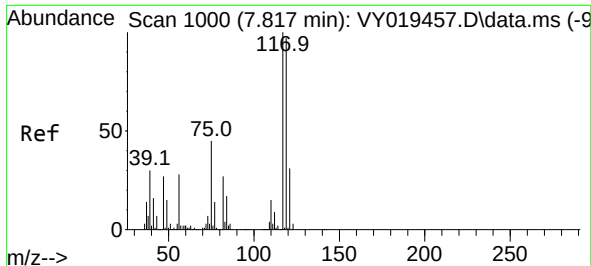


#36  
1,1-Dichloropropene  
Concen: 6.022 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. -0.134 min  
Lab File: VY019705.D  
Acq: 26 Sep 2024 11:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 9.8   | 19.0  | 57.0# |
| 77      | 0.0   | 25.3  | 37.9# |

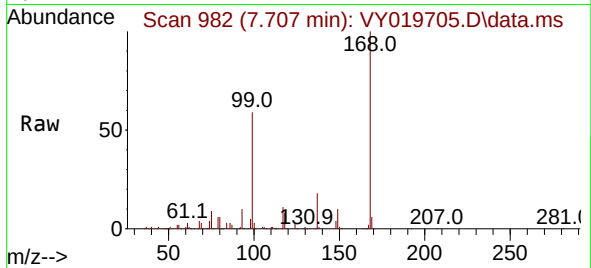




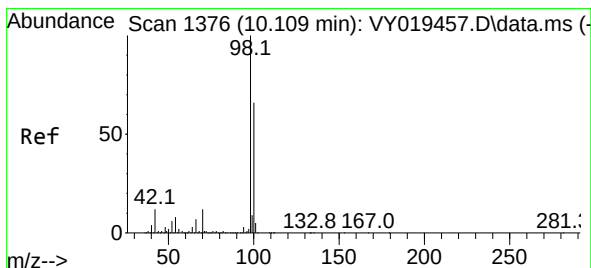
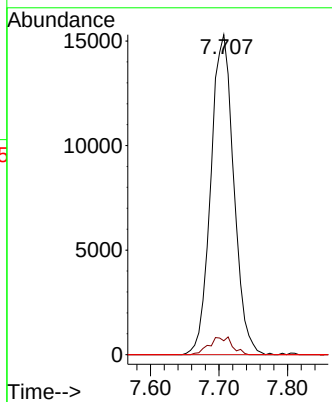
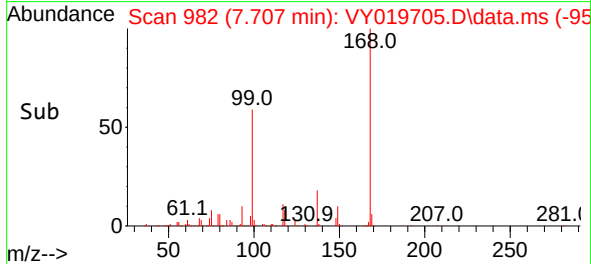


#38  
Carbon Tetrachloride  
Concen: 6.505 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY019705.D  
Acq: 26 Sep 2024 11:38

Instrument :  
MSVOA\_Y  
ClientSampleId :

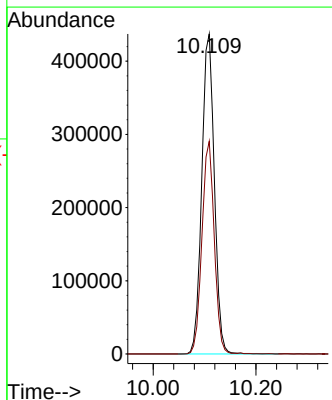
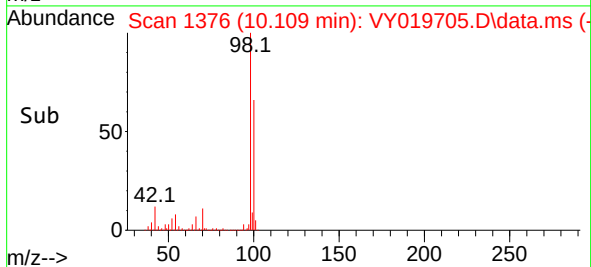
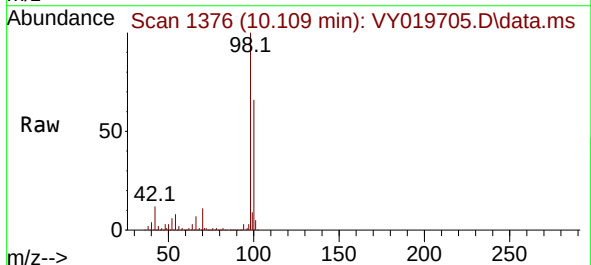


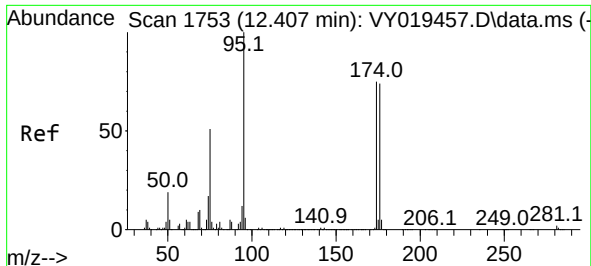
Tgt Ion:117 Resp: 35536  
Ion Ratio Lower Upper  
117 100  
119 4.4 75.8 113.6#  
121 0.0 24.0 36.0#



#50  
Toluene-d8  
Concen: 56.252 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.000 min  
Lab File: VY019705.D  
Acq: 26 Sep 2024 11:38

Tgt Ion: 98 Resp: 740755  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.0 78.0

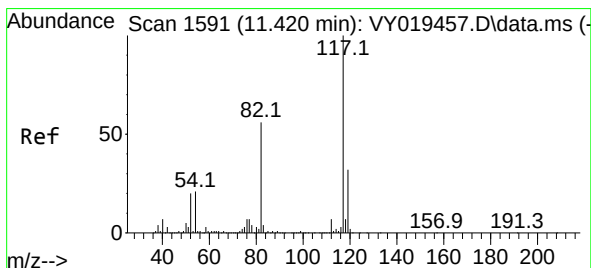
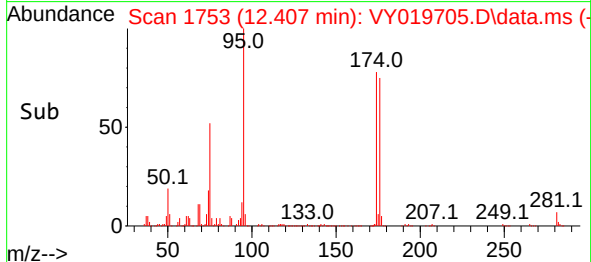
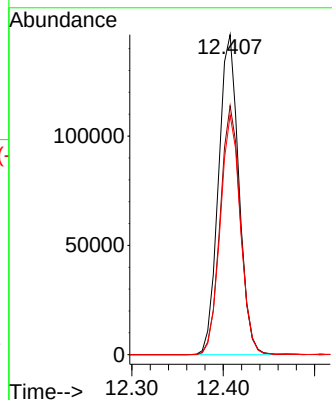
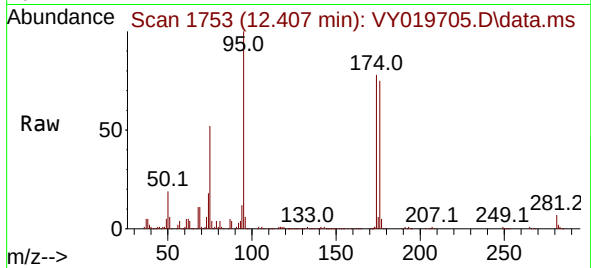




#62  
4-Bromofluorobenzene  
Concen: 44.641 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY019705.D  
Acq: 26 Sep 2024 11:38

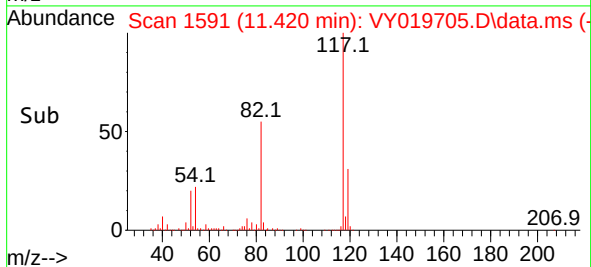
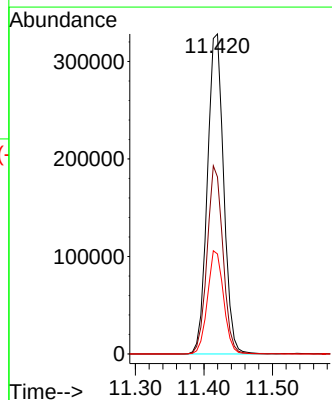
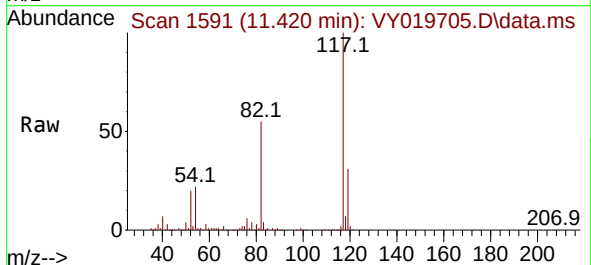
Instrument :  
MSVOA\_Y  
ClientSampleId :

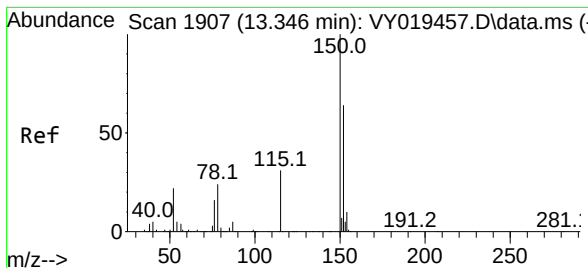
Tgt Ion: 95 Resp: 226038  
Ion Ratio Lower Upper  
95 100  
174 77.5 0.0 175.6  
176 74.5 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 1591  
Delta R.T. 0.000 min  
Lab File: VY019705.D  
Acq: 26 Sep 2024 11:38

Tgt Ion: 117 Resp: 543095  
Ion Ratio Lower Upper  
117 100  
82 55.3 42.4 63.6  
119 31.3 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: VY019705.D

Acq: 26 Sep 2024 11:38

Instrument :

MSVOA\_Y

ClientSampleId :

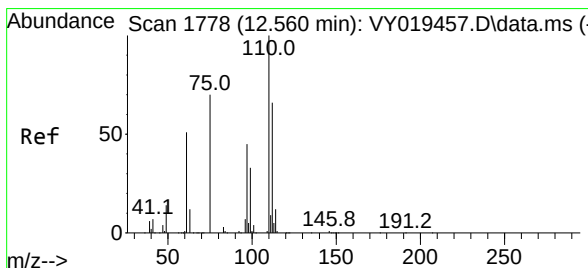
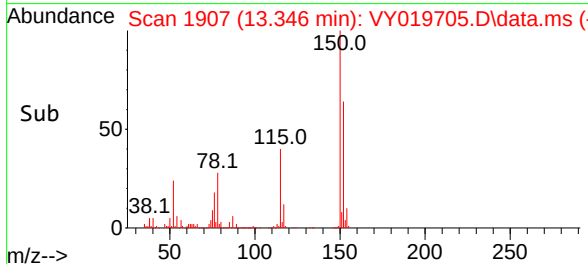
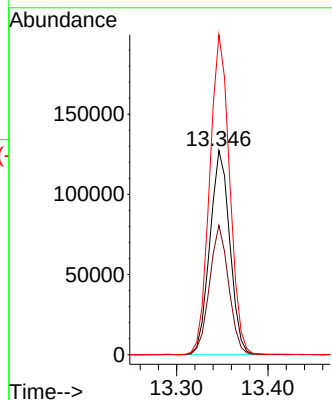
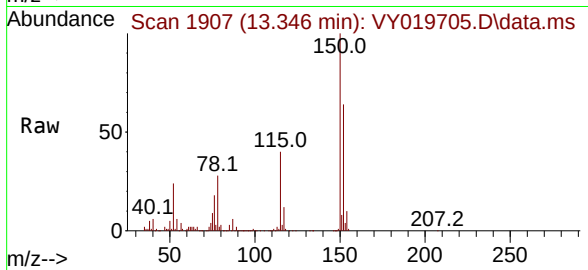
Tgt Ion:152 Resp: 193322

Ion Ratio Lower Upper

152 100

115 61.0 28.2 84.7

150 156.5 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 68.111 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY019705.D

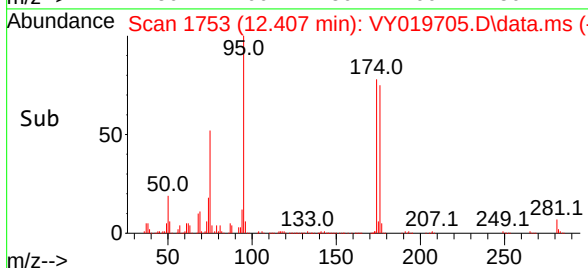
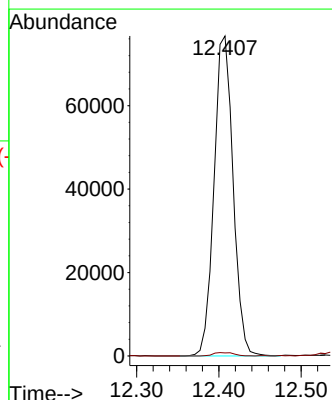
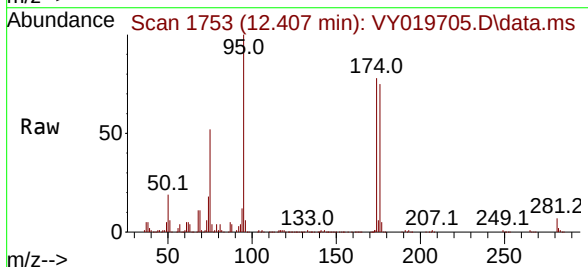
Acq: 26 Sep 2024 11:38

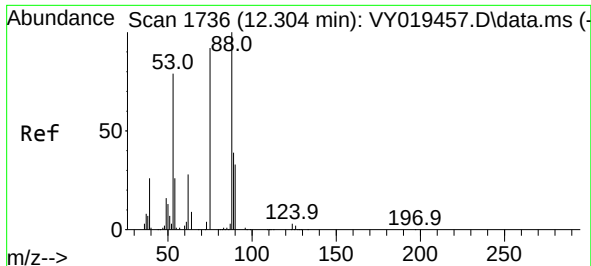
Tgt Ion: 75 Resp: 123416

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

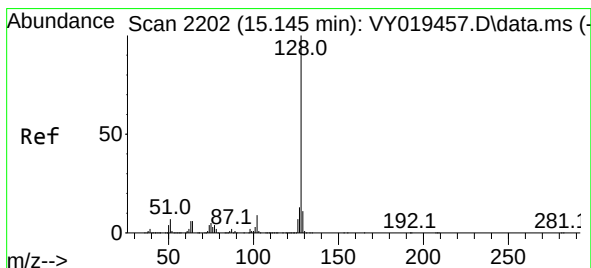
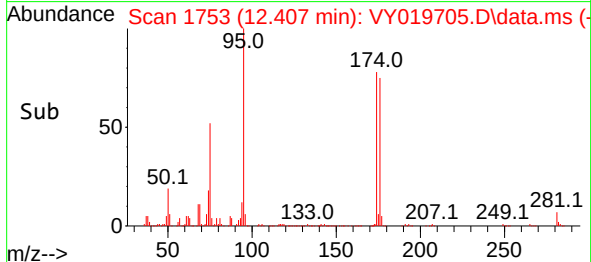
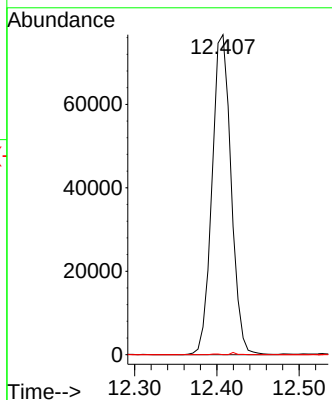
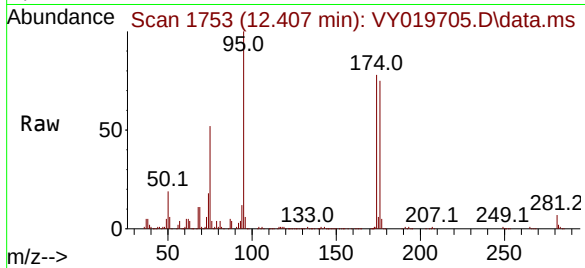




#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 130.753 ug/l  
 RT: 12.407 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY019705.D  
 Acq: 26 Sep 2024 11:38

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Tgt Ion: 75 Resp: 123416  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 66.8 100.2#  
 89 0.1 35.8 53.6#



#95  
 Naphthalene  
 Concen: 1.413 ug/l  
 RT: 15.145 min Scan# 2202  
 Delta R.T. 0.000 min  
 Lab File: VY019705.D  
 Acq: 26 Sep 2024 11:38

Tgt Ion:128 Resp: 9282  
 Ion Ratio Lower Upper  
 128 100  
 127 14.0 10.6 16.0  
 129 10.9 8.6 13.0

