

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY090924\  
 Data File : VY019473.D  
 Acq On : 09 Sep 2024 18:17  
 Operator : SY/MD  
 Sample : P3906-15  
 Misc : 3.31g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Sep 10 01:50:35 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

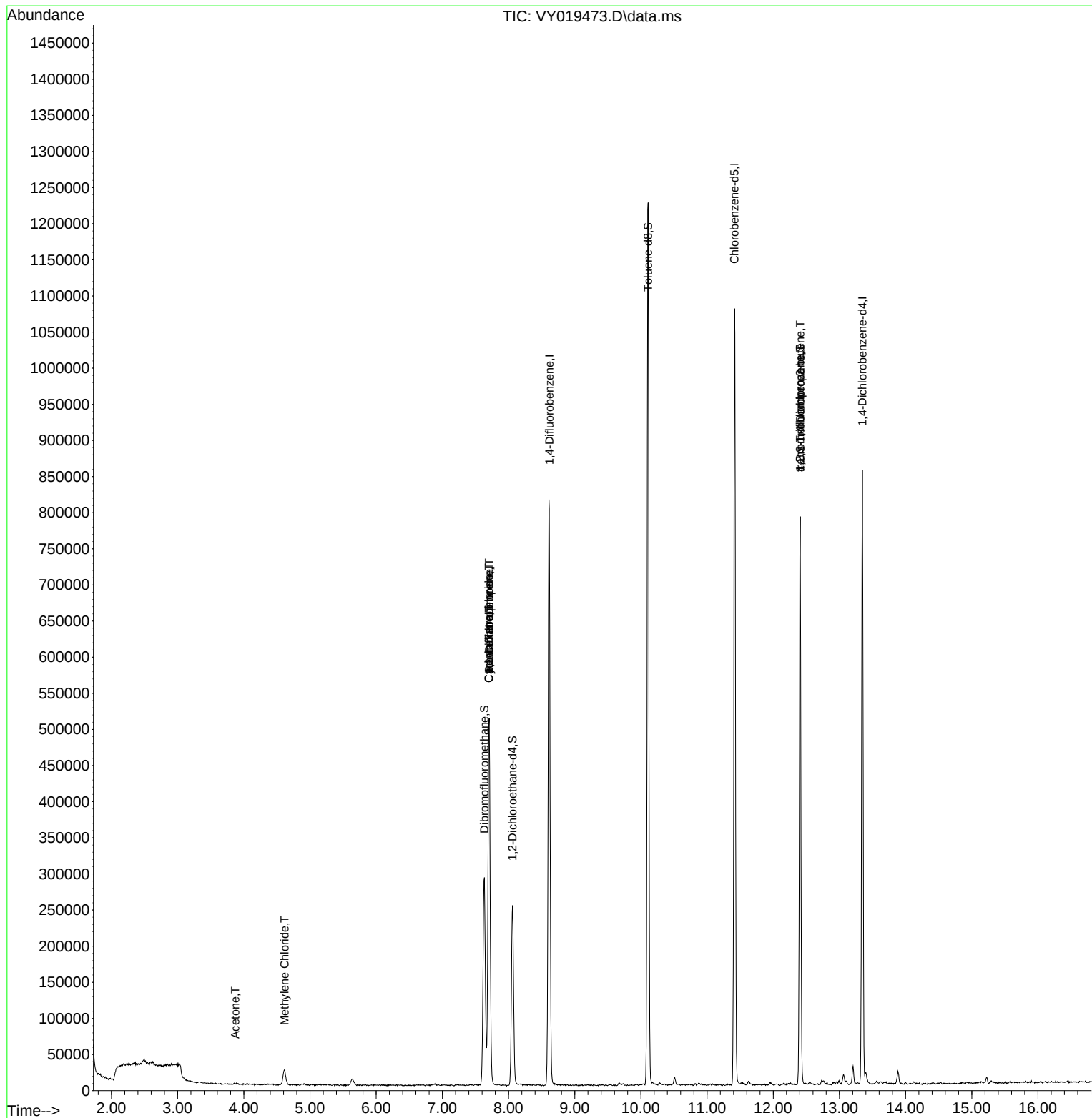
| Compound                      | R.T. QIon |       | Response | Conc      | Units | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|-------|----------|
| -----                         |           |       |          |           |       |          |
| Internal Standards            |           |       |          |           |       |          |
| 1) Pentafluorobenzene         | 7.707     | 168   | 386534   | 50.000    | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.616     | 114   | 692051   | 50.000    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 11.414    | 117   | 576898   | 50.000    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346    | 152   | 204652   | 50.000    | ug/l  | 0.00     |
| System Monitoring Compounds   |           |       |          |           |       |          |
| 33) 1,2-Dichloroethane-d4     | 8.061     | 65    | 200529   | 56.026    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | =     | 112.060% |
| 35) Dibromofluoromethane      | 7.634     | 113   | 210568   | 53.664    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | =     | 107.320% |
| 50) Toluene-d8                | 10.109    | 98    | 804763   | 55.450    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery  | =     | 110.900% |
| 62) 4-Bromofluorobenzene      | 12.408    | 95    | 248917   | 44.605    | ug/l  | 0.00     |
| Spiked Amount                 | 50.000    | Range | 29 - 146 | Recovery  | =     | 89.220%  |
| Target Compounds              |           |       |          |           |       |          |
|                               |           |       |          |           |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.867     | 85    | 292      | Below Cal | #     | 43       |
| 13) Acrolein                  | 3.671     | 56    | 409      | Below Cal | #     | 19       |
| 16) Acetone                   | 3.873     | 43    | 1685     | 1.976     | ug/l  | 90       |
| 20) Methylene Chloride        | 4.616     | 84    | 15180    | 3.904     | ug/l  | 97       |
| 31) Cyclohexane               | 7.701     | 56    | 9532     | 1.488     | ug/l  | # 5      |
| 36) 1,1-Dichloropropene       | 7.707     | 75    | 31923    | 5.979     | ug/l  | # 48     |
| 38) Carbon Tetrachloride      | 7.701     | 117   | 41110    | 6.828     | ug/l  | # 16     |
| 76) 1,2,3-Trichloropropane    | 12.408    | 75    | 129570   | 67.548    | ug/l  | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.408    | 75    | 129570   | 129.673   | ug/l  | # 16     |
| -----                         |           |       |          |           |       |          |

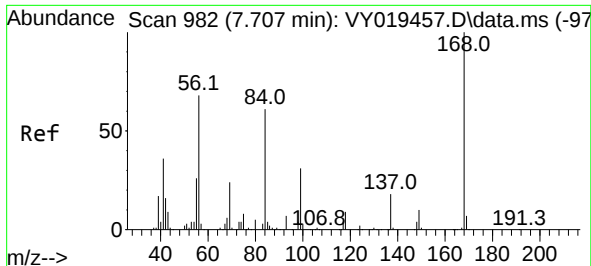
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY090924\  
Data File : VY019473.D  
Acq On : 09 Sep 2024 18:17  
Operator : SY/MD  
Sample : P3906-15  
Misc : 3.31g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Sep 10 01:50:35 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

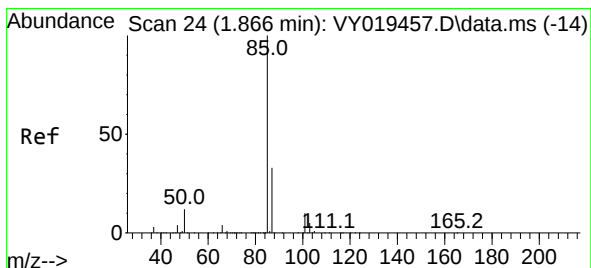
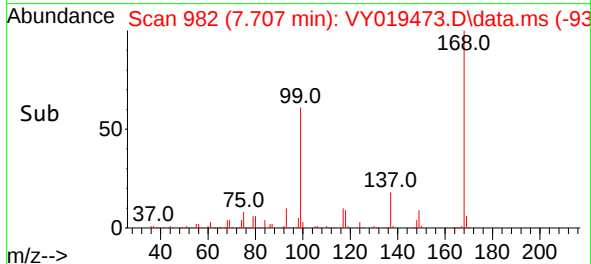
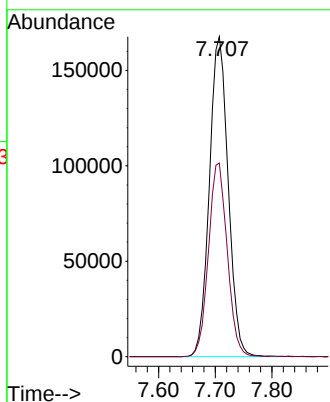
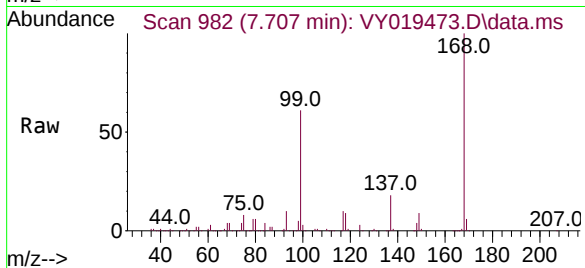




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY019473.D  
Acq: 09 Sep 2024 18:17

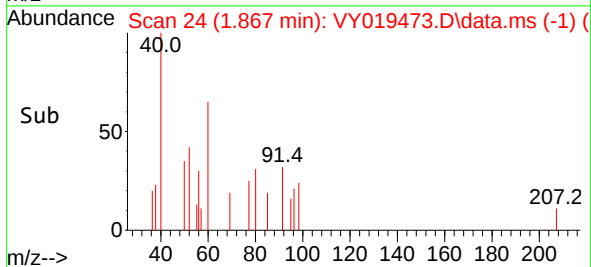
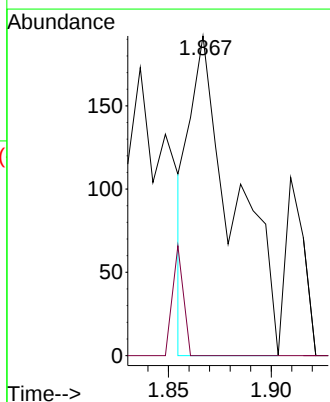
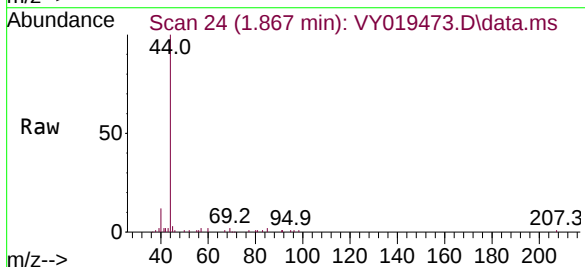
Instrument :  
MSVOA\_Y  
ClientSampleId :

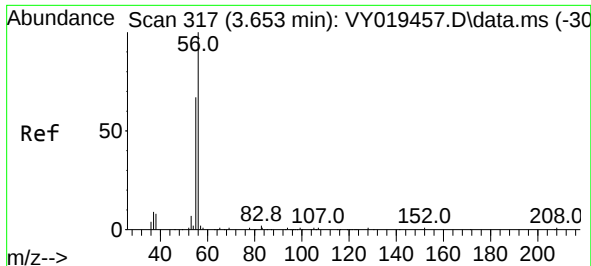
Tgt Ion:168 Resp: 386534  
Ion Ratio Lower Upper  
168 100  
99 60.5 39.1 58.7#



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.867 min Scan# 24  
Delta R.T. 0.001 min  
Lab File: VY019473.D  
Acq: 09 Sep 2024 18:17

Tgt Ion: 85 Resp: 292  
Ion Ratio Lower Upper  
85 100  
87 0.0 16.0 48.0#





#13

Acrolein

Concen: Below Cal

RT: 3.671 min Scan# 31

Delta R.T. 0.018 min

Lab File: VY019473.D

Acq: 09 Sep 2024 18:17

Instrument :

MSVOA\_Y

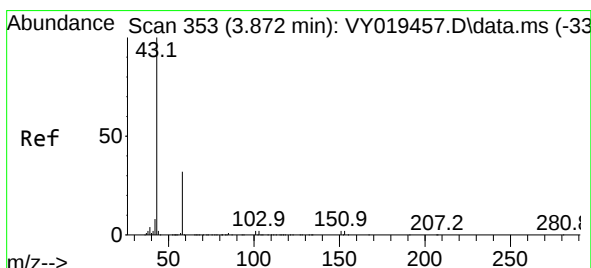
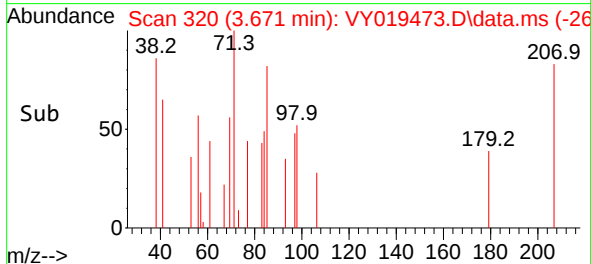
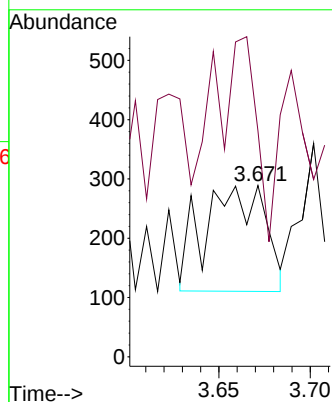
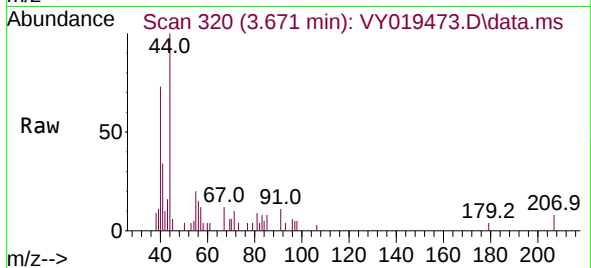
ClientSampleId :

Tgt Ion: 56 Resp: 409

Ion Ratio Lower Upper

56 100

55 135.7 55.7 83.5#



#16

Acetone

Concen: 1.976 ug/l

RT: 3.873 min Scan# 353

Delta R.T. 0.000 min

Lab File: VY019473.D

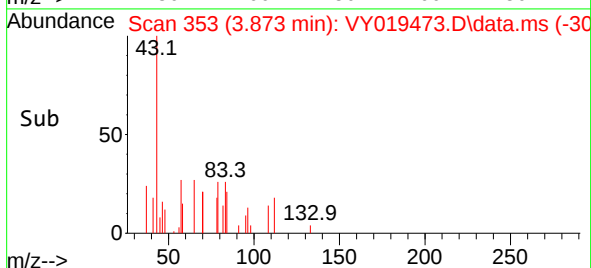
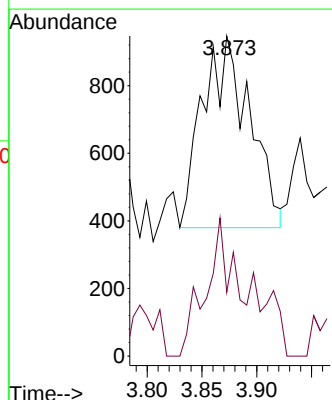
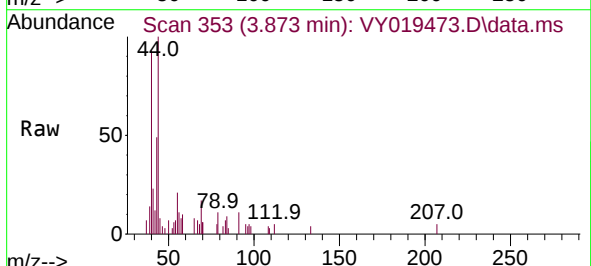
Acq: 09 Sep 2024 18:17

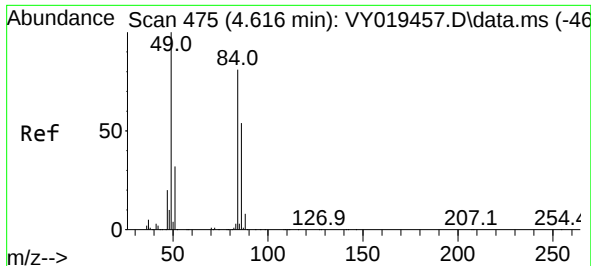
Tgt Ion: 43 Resp: 1685

Ion Ratio Lower Upper

43 100

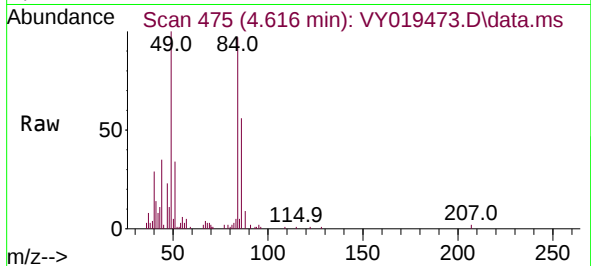
58 33.3 31.7 47.5



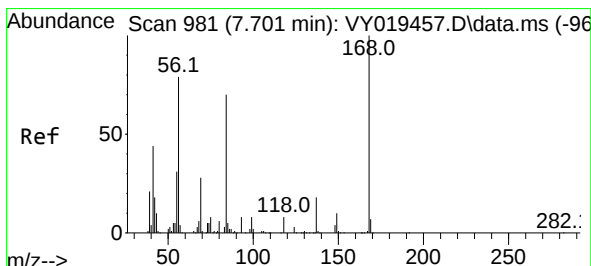
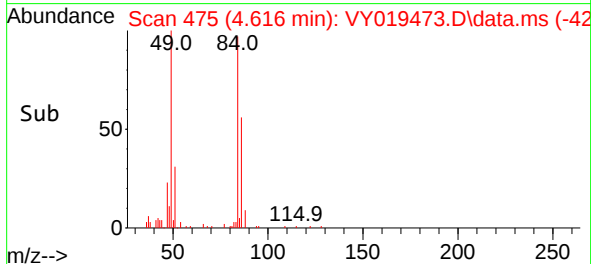
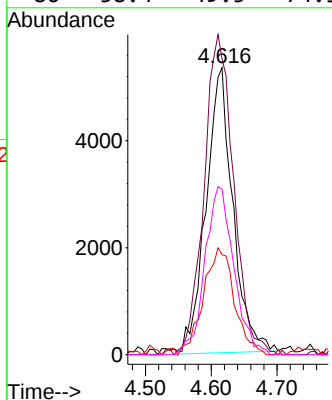


#20  
Methylene Chloride  
Concen: 3.904 ug/l  
RT: 4.616 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY019473.D  
Acq: 09 Sep 2024 18:17

Instrument :  
MSVOA\_Y  
ClientSampleId :

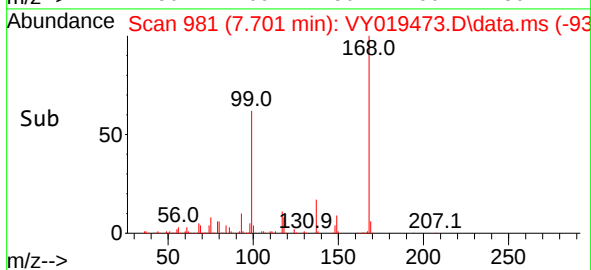
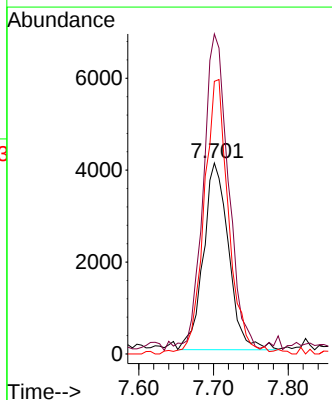
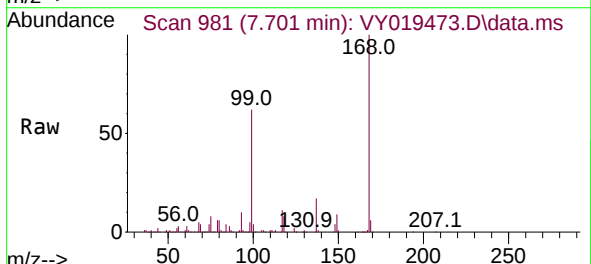


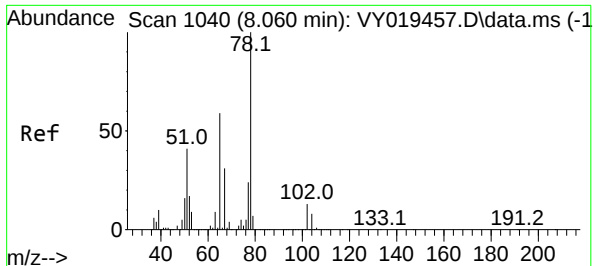
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 15180 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 104.4 | 84.4  | 126.6 |
| 51       | 35.2  | 26.0  | 39.0  |
| 86       | 58.4  | 49.5  | 74.3  |



#31  
Cyclohexane  
Concen: 1.488 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY019473.D  
Acq: 09 Sep 2024 18:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 9532   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 165.7 | 28.7  | 43.1#  |
| 84       | 144.1 | 77.7  | 116.5# |





#33

1,2-Dichloroethane-d4

Concen: 56.026 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VY019473.D

Acq: 09 Sep 2024 18:17

Instrument :

MSVOA\_Y

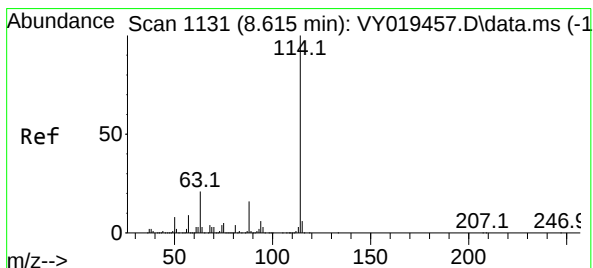
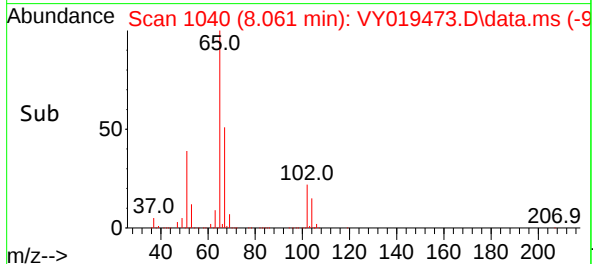
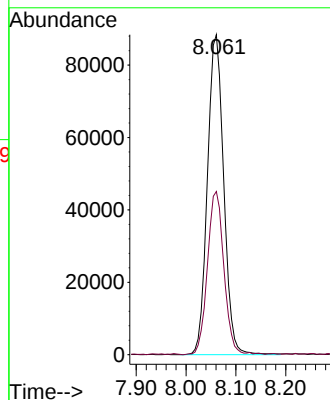
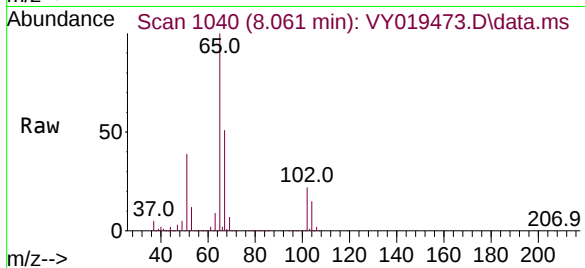
ClientSampleId :

Tgt Ion: 65 Resp: 200529

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# 1131

Delta R.T. 0.000 min

Lab File: VY019473.D

Acq: 09 Sep 2024 18:17

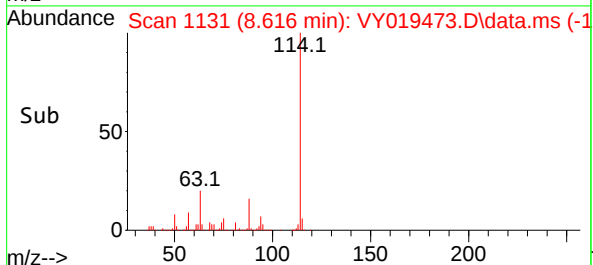
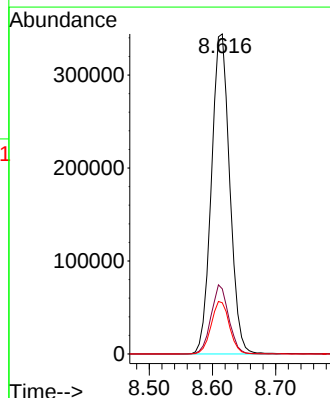
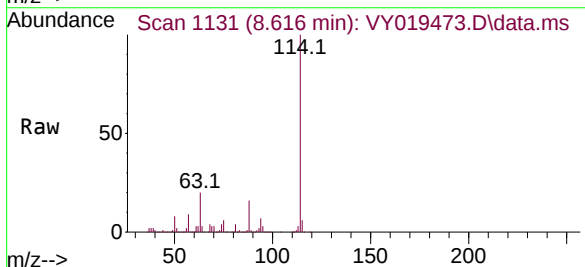
Tgt Ion: 114 Resp: 692051

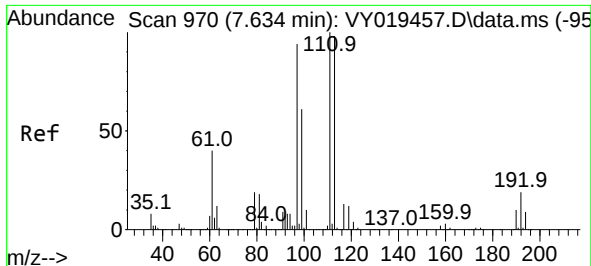
Ion Ratio Lower Upper

114 100

63 20.3 0.0 35.0

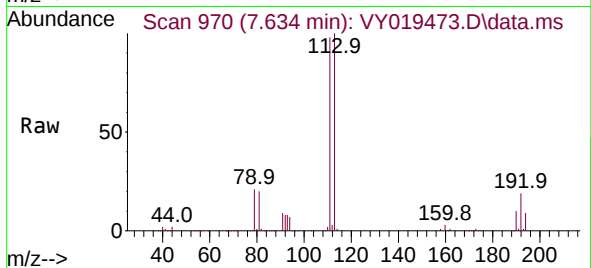
88 16.0 0.0 27.2





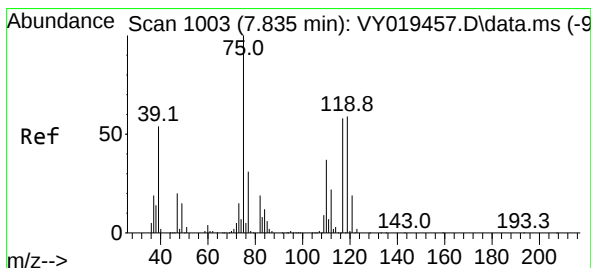
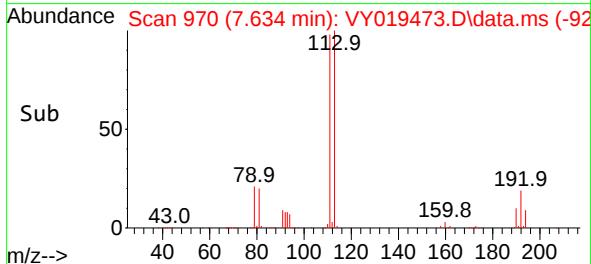
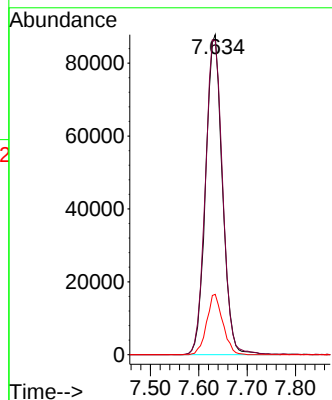
#35  
 Dibromofluoromethane  
 Concen: 53.664 ug/l  
 RT: 7.634 min Scan# 91  
 Delta R.T. 0.000 min  
 Lab File: VY019473.D  
 Acq: 09 Sep 2024 18:17

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion:113 Resp: 210568  

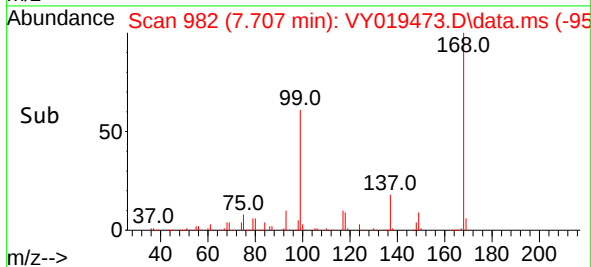
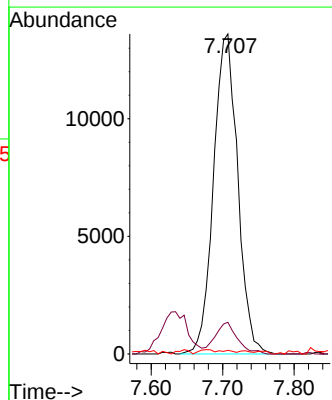
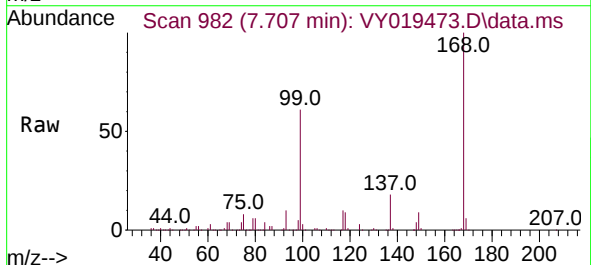
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 102.1 | 82.2  | 123.4 |
| 192 | 18.2  | 15.9  | 23.9  |

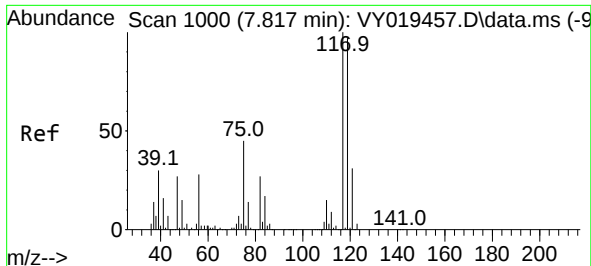


#36  
 1,1-Dichloropropene  
 Concen: 5.979 ug/l  
 RT: 7.707 min Scan# 982  
 Delta R.T. -0.128 min  
 Lab File: VY019473.D  
 Acq: 09 Sep 2024 18:17

Tgt Ion: 75 Resp: 31923  

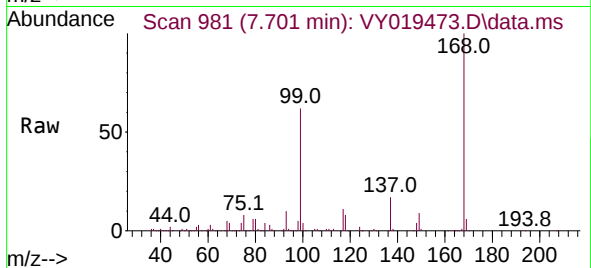
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 110 | 9.2   | 19.0  | 57.0# |
| 77  | 0.0   | 25.3  | 37.9# |



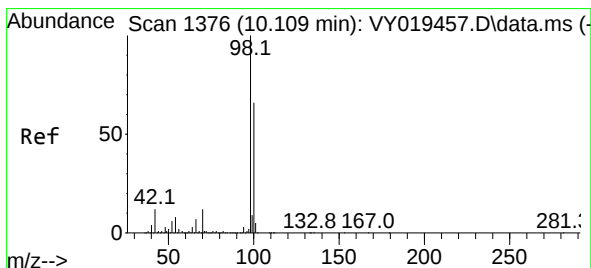
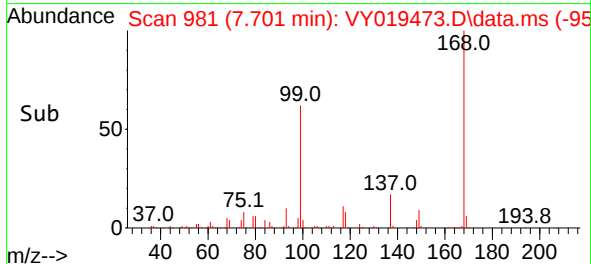
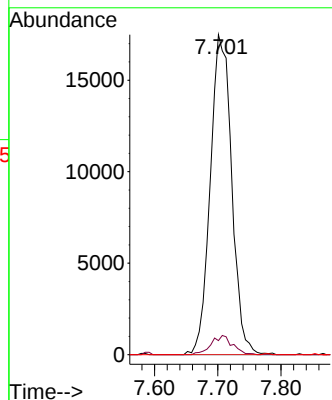


#38  
Carbon Tetrachloride  
Concen: 6.828 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. -0.116 min  
Lab File: VY019473.D  
Acq: 09 Sep 2024 18:17

Instrument :  
MSVOA\_Y  
ClientSampleId :

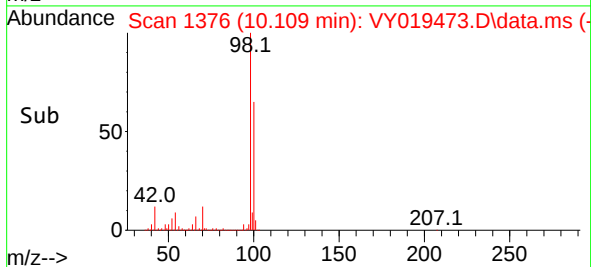
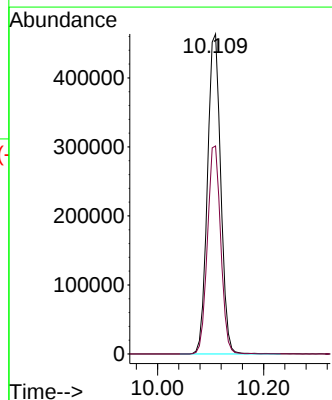
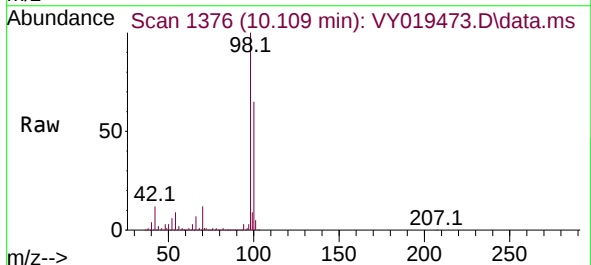


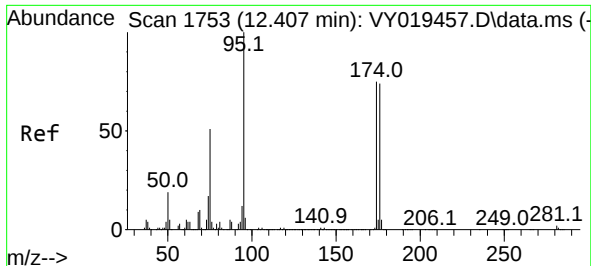
Tgt Ion:117 Resp: 41110  
Ion Ratio Lower Upper  
117 100  
119 4.4 75.8 113.6#  
121 0.0 24.0 36.0#



#50  
Toluene-d8  
Concen: 55.450 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.000 min  
Lab File: VY019473.D  
Acq: 09 Sep 2024 18:17

Tgt Ion: 98 Resp: 804763  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.0 78.0

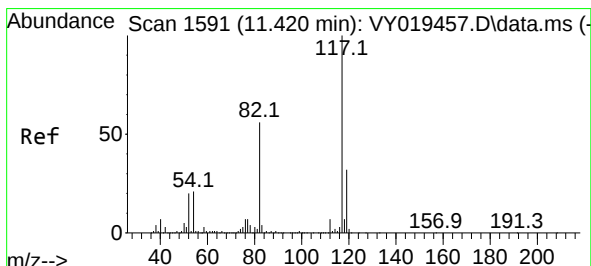
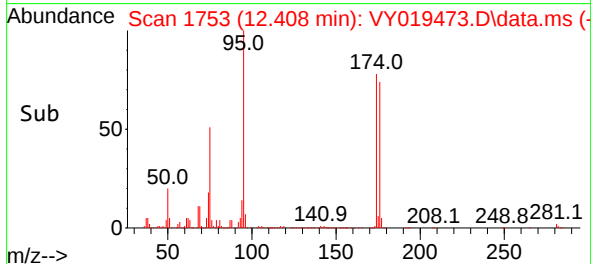
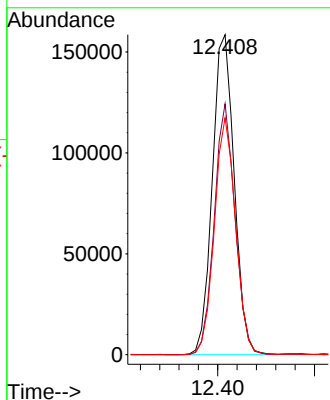
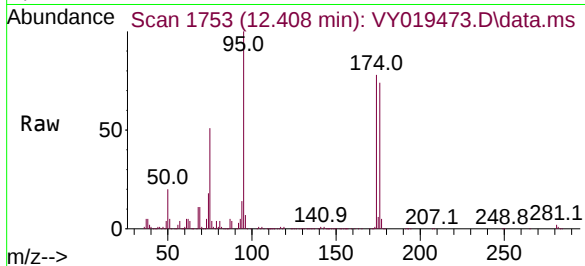




#62  
4-Bromofluorobenzene  
Concen: 44.605 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY019473.D  
Acq: 09 Sep 2024 18:17

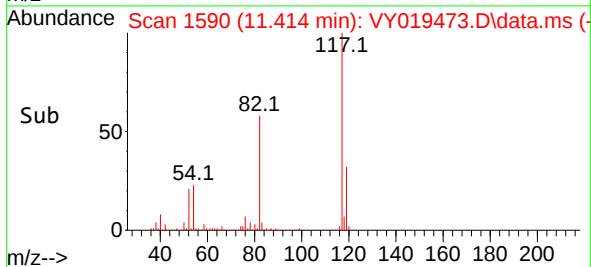
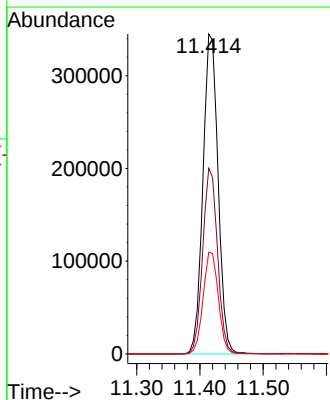
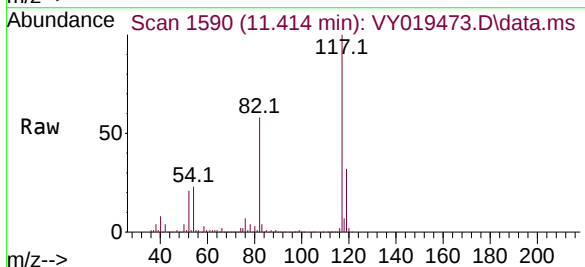
Instrument :  
MSVOA\_Y  
ClientSampleId :

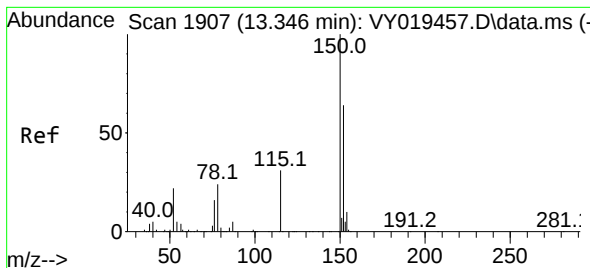
Tgt Ion: 95 Resp: 248917  
Ion Ratio Lower Upper  
95 100  
174 74.7 0.0 175.6  
176 71.8 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. -0.006 min  
Lab File: VY019473.D  
Acq: 09 Sep 2024 18:17

Tgt Ion: 117 Resp: 576898  
Ion Ratio Lower Upper  
117 100  
82 58.0 42.4 63.6  
119 31.8 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: VY019473.D

Acq: 09 Sep 2024 18:17

Instrument :

MSVOA\_Y

ClientSampleId :

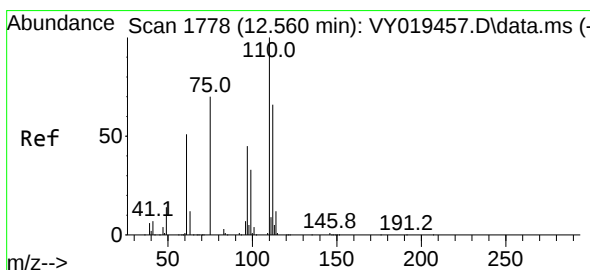
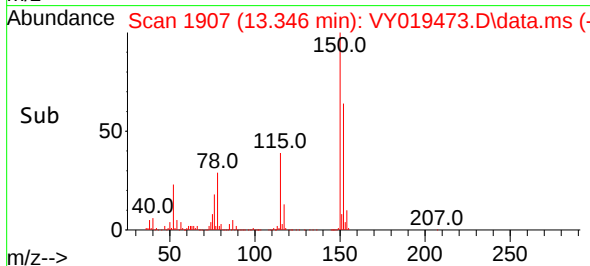
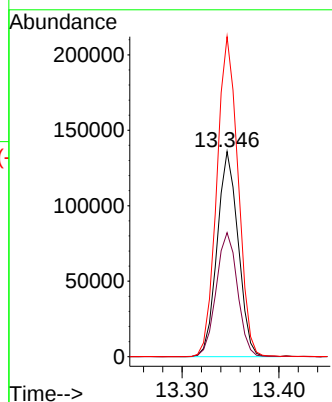
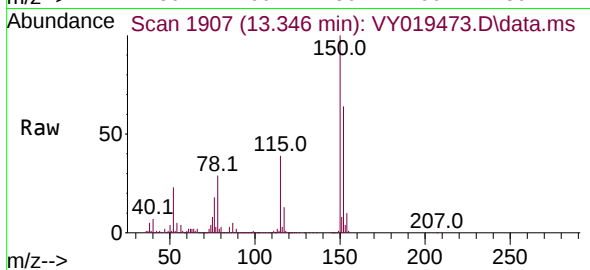
Tgt Ion:152 Resp: 204652

Ion Ratio Lower Upper

152 100

115 61.7 28.2 84.7

150 158.2 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 67.548 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY019473.D

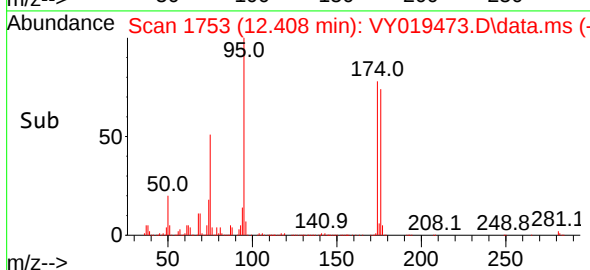
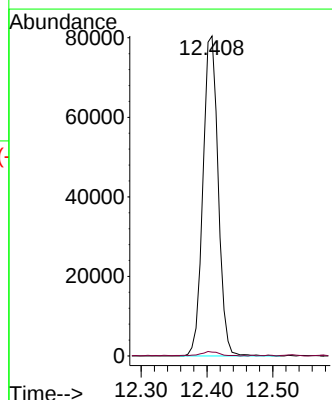
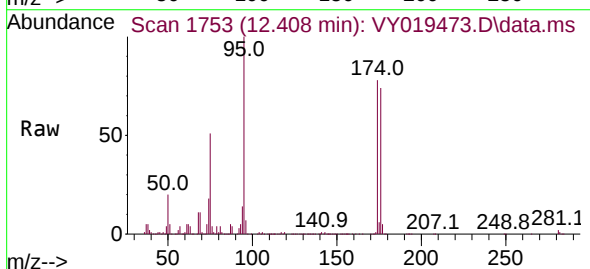
Acq: 09 Sep 2024 18:17

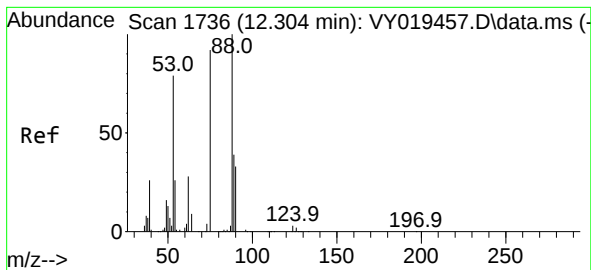
Tgt Ion: 75 Resp: 129570

Ion Ratio Lower Upper

75 100

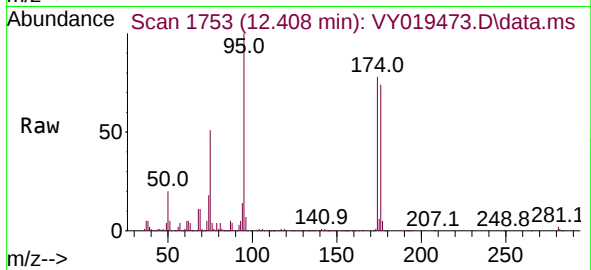
77 1.8 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 129.673 ug/l  
 RT: 12.408 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY019473.D  
 Acq: 09 Sep 2024 18:17

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 129570  
 Ion Ratio Lower Upper  
 75 100  
 53 0.3 66.8 100.2#  
 89 0.0 35.8 53.6#

