

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091024\  
 Data File : VY019490.D  
 Acq On : 10 Sep 2024 16:11  
 Operator : SY/MD  
 Sample : P3907-09  
 Misc : 4.36g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Sep 11 01:50:32 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  | 285650   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.615  | 114  | 551450   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 491771   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 183961   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.055  | 65    | 169287   | 64.001   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 128.000% |
| 35) Dibromofluoromethane    | 7.628  | 113   | 175302   | 56.068   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 112.140% |
| 50) Toluene-d8              | 10.103 | 98    | 652361   | 56.410   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 112.820% |
| 62) 4-Bromofluorobenzene    | 12.401 | 95    | 216167   | 48.613   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =    | 97.220%  |

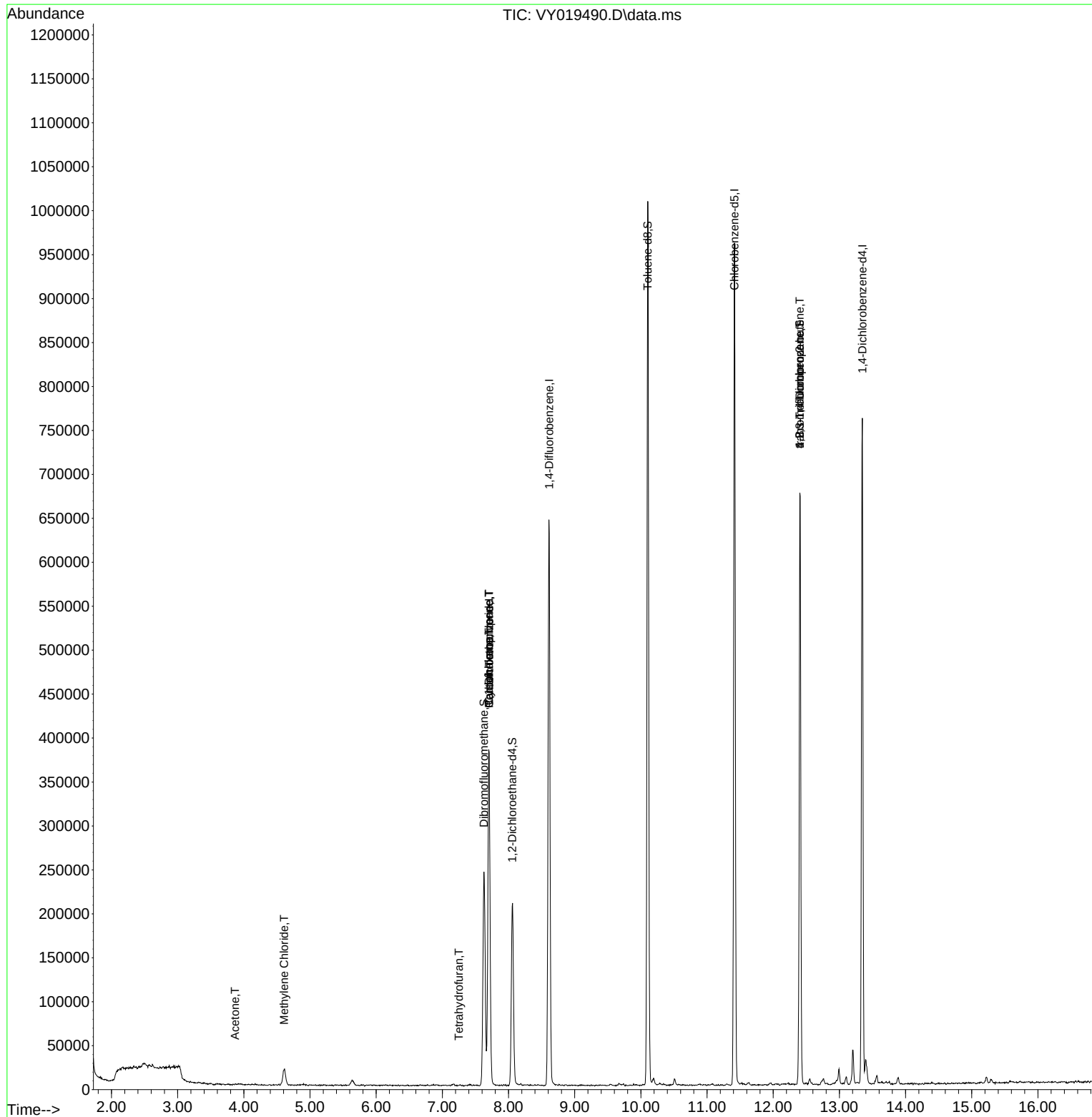
| Target Compounds              |        |     |        |           | Qvalue |     |
|-------------------------------|--------|-----|--------|-----------|--------|-----|
| 2) Dichlorodifluoromethane    | 1.861  | 85  | 57     | Below Cal | #      | 43  |
| 13) Acrolein                  | 3.641  | 56  | 244    | Below Cal |        | 94  |
| 16) Acetone                   | 3.866  | 43  | 1426   | 2.263     | ug/l # | 57  |
| 20) Methylene Chloride        | 4.610  | 84  | 13731  | 4.778     | ug/l   | 91  |
| 29) Tetrahydrofuran           | 7.250  | 42  | 558    | 1.024     | ug/l # | 59  |
| 31) Cyclohexane               | 7.701  | 56  | 7531   | 1.591     | ug/l # | 13  |
| 36) 1,1-Dichloropropene       | 7.701  | 75  | 24520  | 5.763     | ug/l # | 49  |
| 38) Carbon Tetrachloride      | 7.707  | 117 | 30610  | 6.380     | ug/l # | 16  |
| 76) 1,2,3-Trichloropropane    | 12.401 | 75  | 116444 | 67.533    | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.401 | 75  | 116444 | 129.644   | ug/l # | 16  |

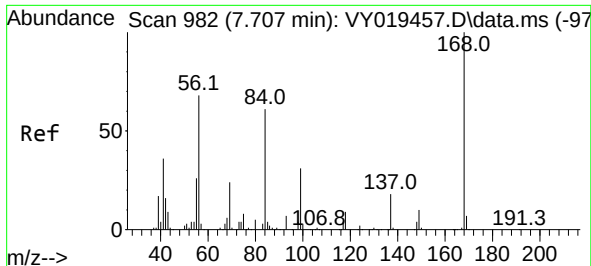
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091024\  
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Sample : P3907-09  
Misc : 4.36g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Sep 11 01:50:32 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

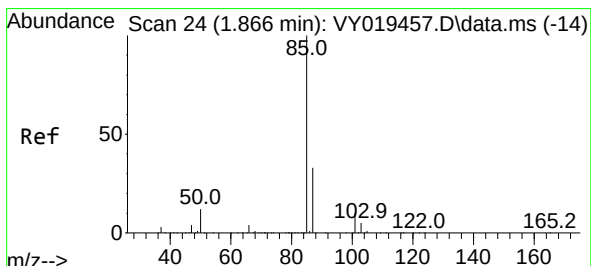
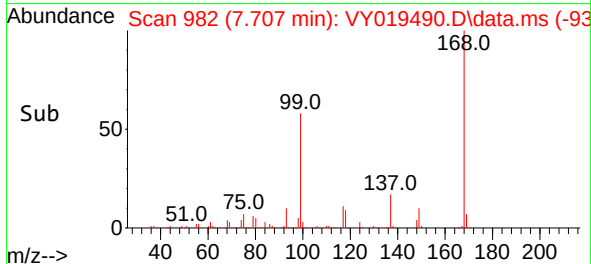
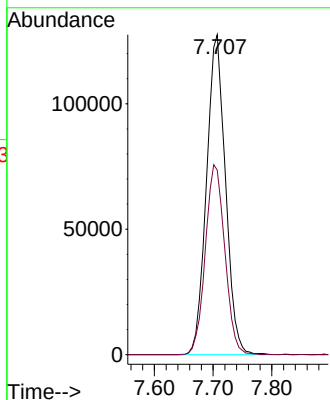
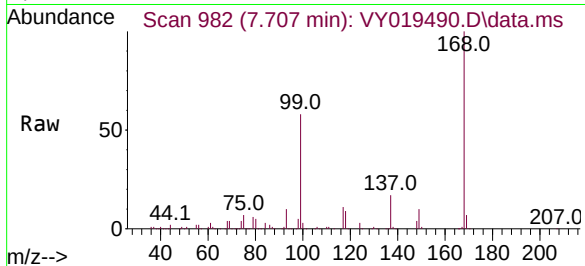




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY019490.D  
Acq: 10 Sep 2024 16:11

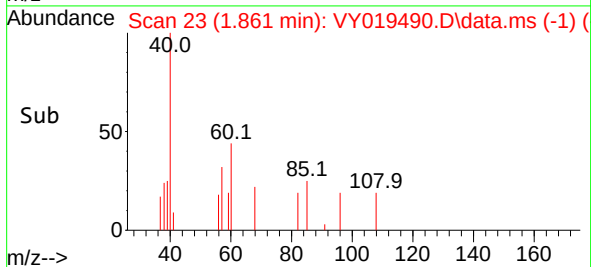
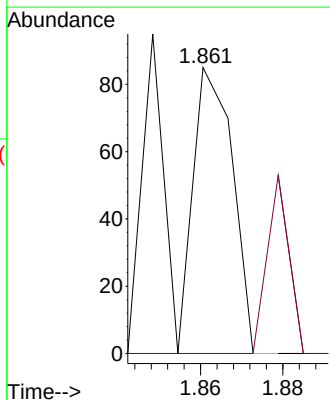
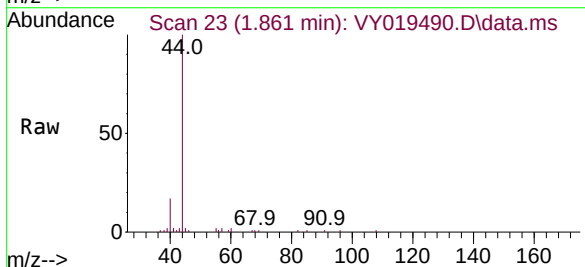
Instrument :  
MSVOA\_Y  
ClientSampleId :

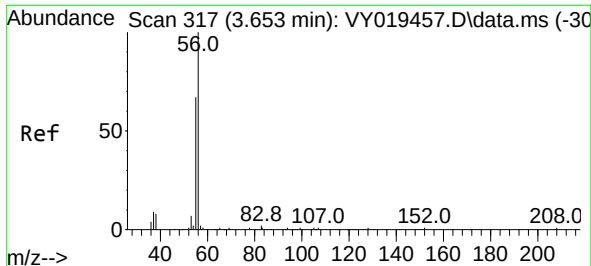
Tgt Ion:168 Resp: 285650  
Ion Ratio Lower Upper  
168 100  
99 57.7 39.1 58.7



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.861 min Scan# 23  
Delta R.T. -0.005 min  
Lab File: VY019490.D  
Acq: 10 Sep 2024 16:11

Tgt Ion: 85 Resp: 57  
Ion Ratio Lower Upper  
85 100  
87 0.0 16.0 48.0#

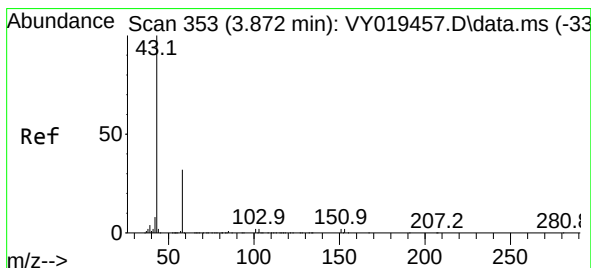
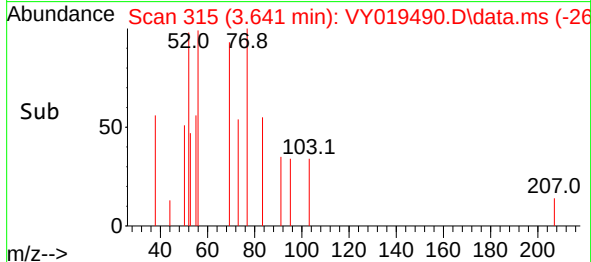
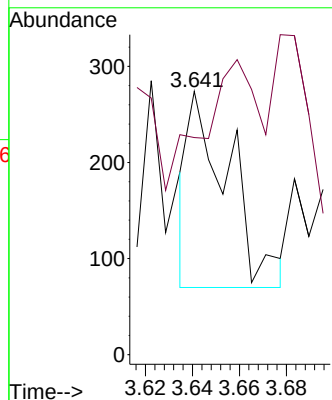
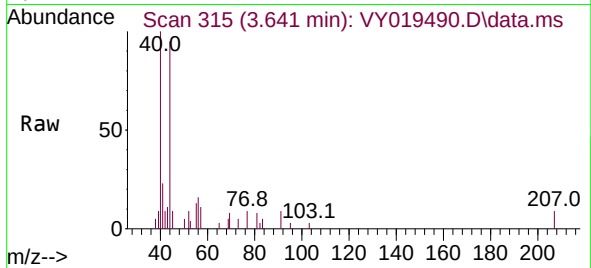




#13  
Acrolein  
Concen: Below Cal  
RT: 3.641 min Scan# 317  
Delta R.T. -0.012 min  
Lab File: VY019490.D  
Acq: 10 Sep 2024 16:11

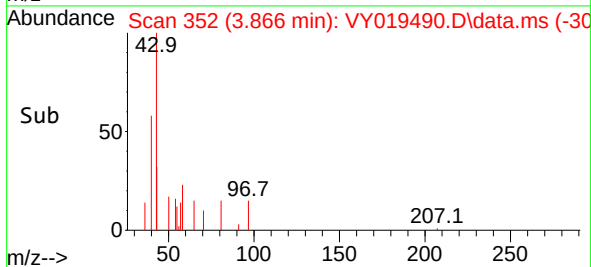
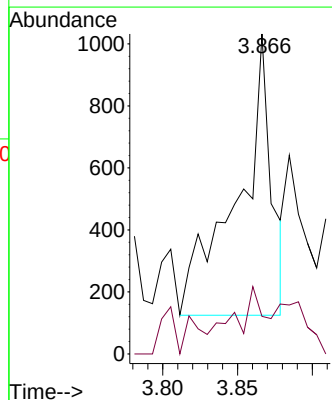
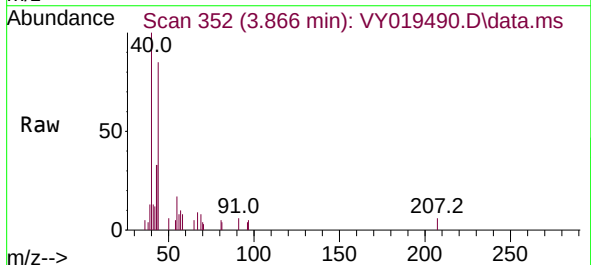
Instrument :  
MSVOA\_Y  
ClientSampleId :

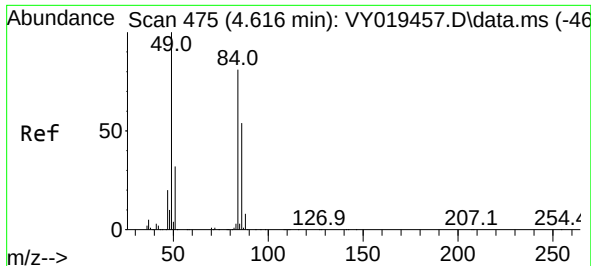
Tgt Ion: 56 Resp: 244  
Ion Ratio Lower Upper  
56 100  
55 64.8 55.7 83.5



#16  
Acetone  
Concen: 2.263 ug/l  
RT: 3.866 min Scan# 352  
Delta R.T. -0.006 min  
Lab File: VY019490.D  
Acq: 10 Sep 2024 16:11

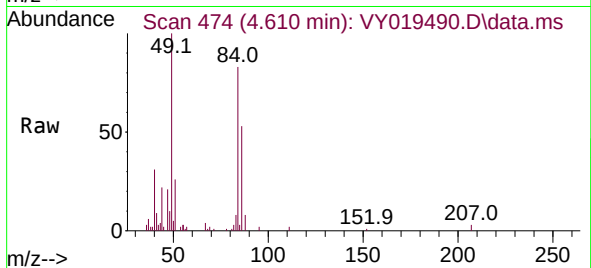
Tgt Ion: 43 Resp: 1426  
Ion Ratio Lower Upper  
43 100  
58 13.3 31.7 47.5#



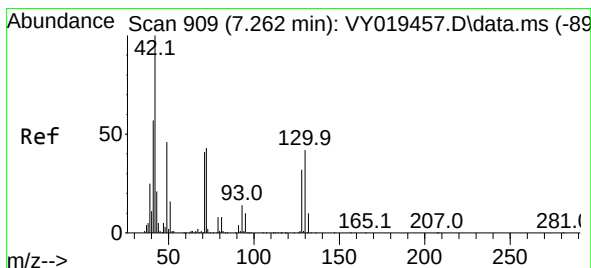
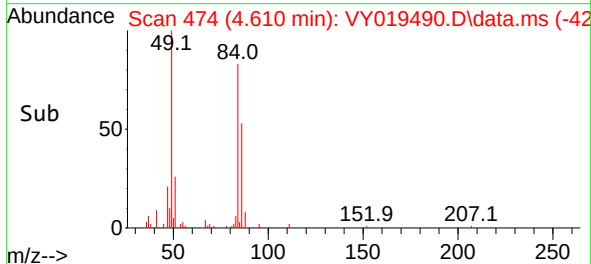
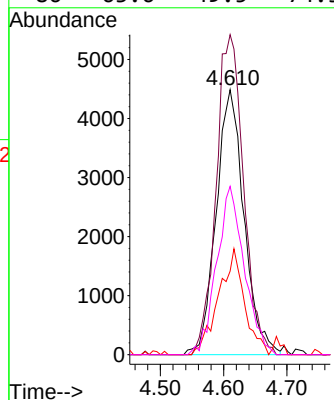


#20  
Methylene Chloride  
Concen: 4.778 ug/l  
RT: 4.610 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VY019490.D  
Acq: 10 Sep 2024 16:11

Instrument :  
MSVOA\_Y  
ClientSampleId :

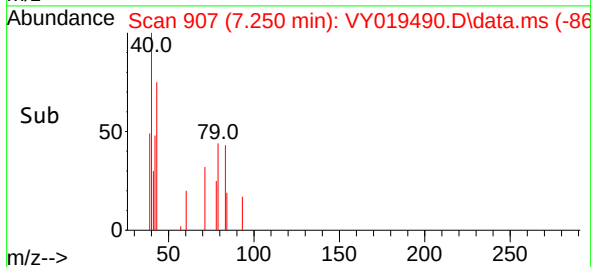
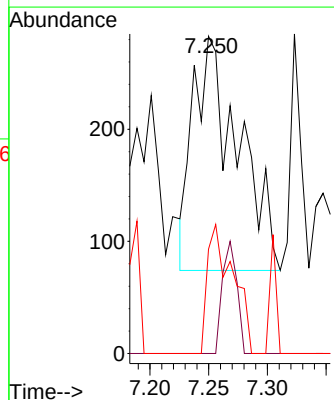
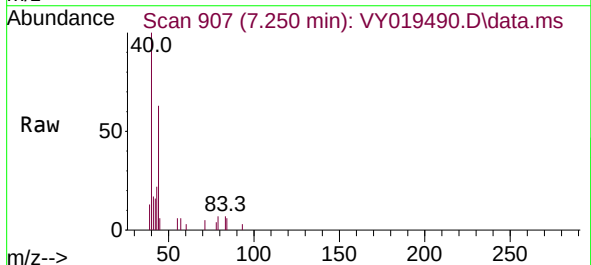


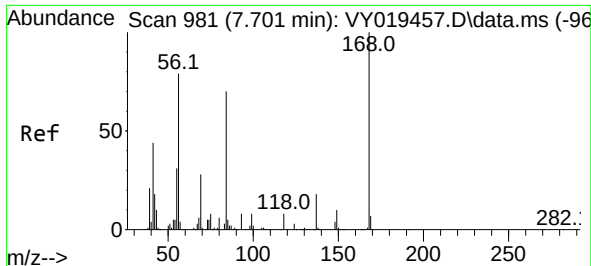
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 13731 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 120.8 | 84.4  | 126.6 |
| 51       | 31.5  | 26.0  | 39.0  |
| 86       | 63.6  | 49.5  | 74.3  |



#29  
Tetrahydrofuran  
Concen: 1.024 ug/l  
RT: 7.250 min Scan# 907  
Delta R.T. -0.012 min  
Lab File: VY019490.D  
Acq: 10 Sep 2024 16:11

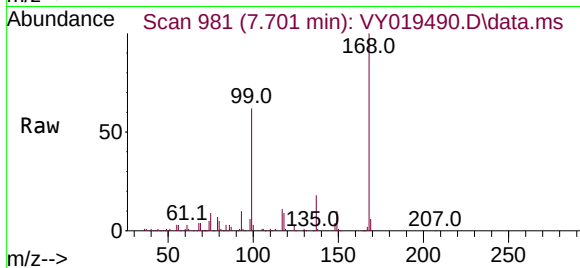
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 558   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 15.4  | 43.0  | 64.4# |
| 71       | 31.2  | 40.8  | 61.2# |



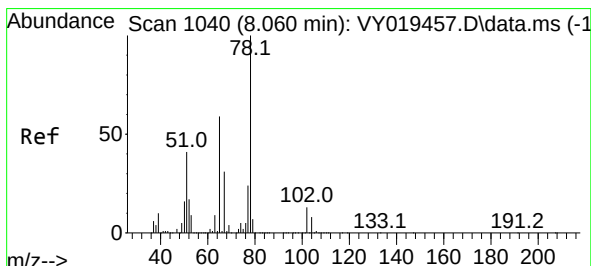
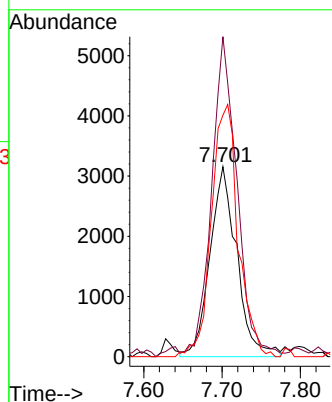
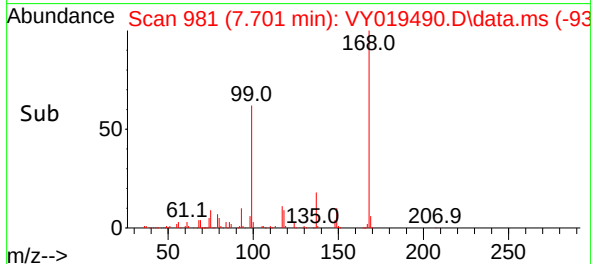


#31  
Cyclohexane  
Concen: 1.591 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY019490.D  
Acq: 10 Sep 2024 16:11

Instrument :  
MSVOA\_Y  
ClientSampleId :

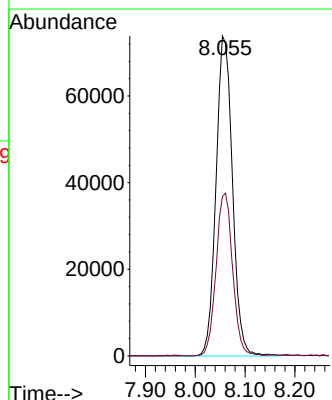
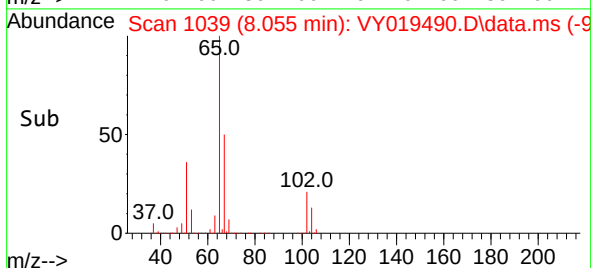
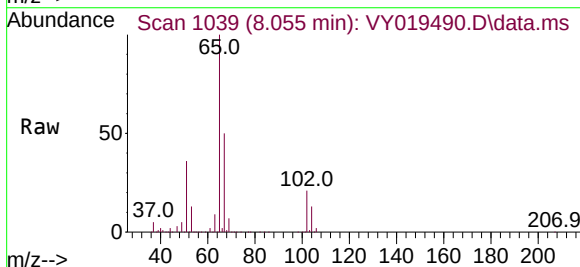


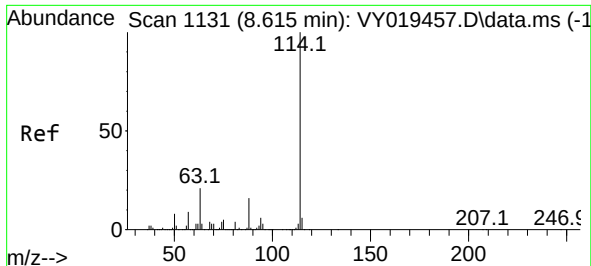
Tgt Ion: 56 Resp: 7531  
Ion Ratio Lower Upper  
56 100  
69 170.9 28.7 43.1#  
84 130.4 77.7 116.5#



#33  
1,2-Dichloroethane-d4  
Concen: 64.001 ug/l  
RT: 8.055 min Scan# 1039  
Delta R.T. -0.006 min  
Lab File: VY019490.D  
Acq: 10 Sep 2024 16:11

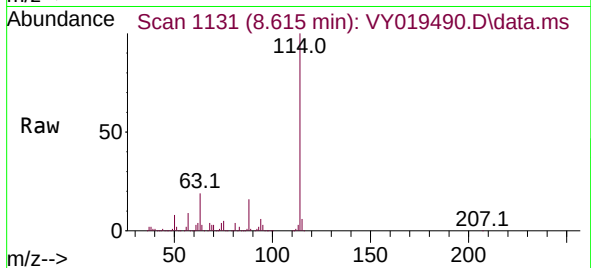
Tgt Ion: 65 Resp: 169287  
Ion Ratio Lower Upper  
65 100  
67 51.3 0.0 109.6



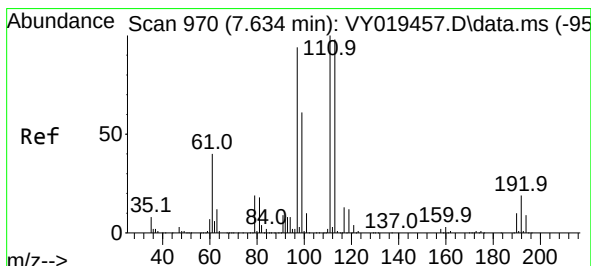
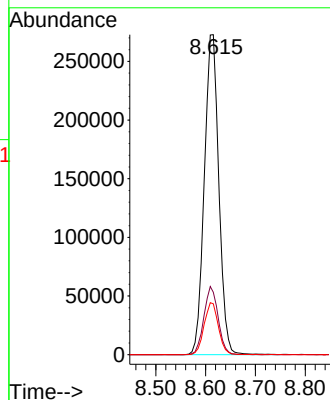
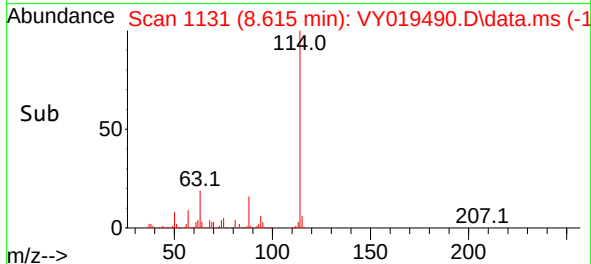


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.615 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VY019490.D  
Acq: 10 Sep 2024 16:11

Instrument :  
MSVOA\_Y  
ClientSampleId :

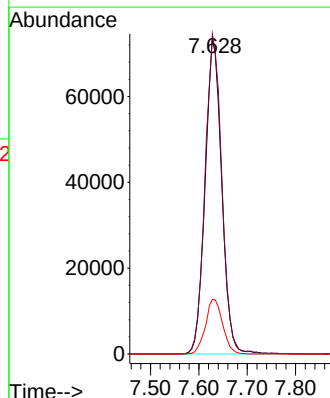
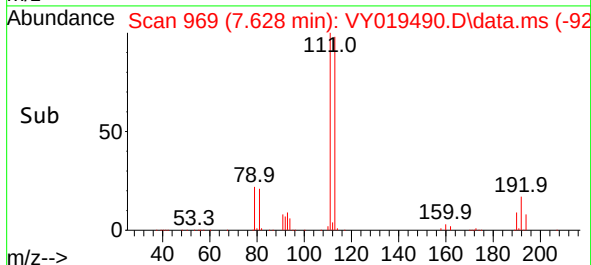
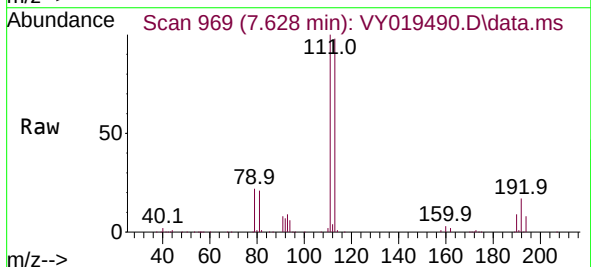


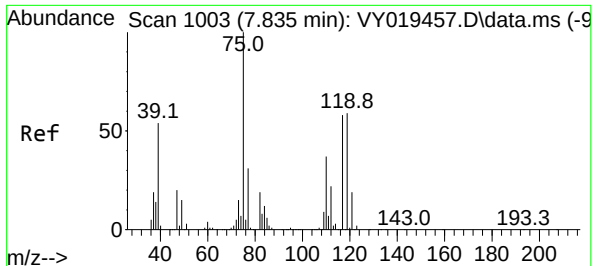
Tgt Ion:114 Resp: 551450  
Ion Ratio Lower Upper  
114 100  
63 19.5 0.0 35.0  
88 15.9 0.0 27.2



#35  
Dibromofluoromethane  
Concen: 56.068 ug/l  
RT: 7.628 min Scan# 969  
Delta R.T. -0.006 min  
Lab File: VY019490.D  
Acq: 10 Sep 2024 16:11

Tgt Ion:113 Resp: 175302  
Ion Ratio Lower Upper  
113 100  
111 102.3 82.2 123.4  
192 17.9 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.763 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

Lab File: VY019490.D

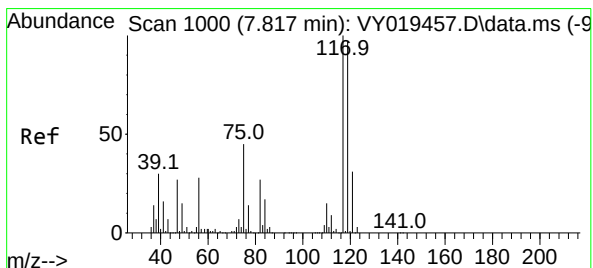
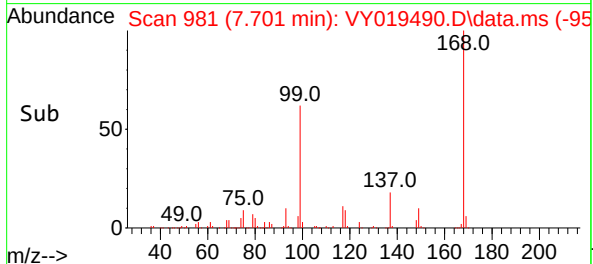
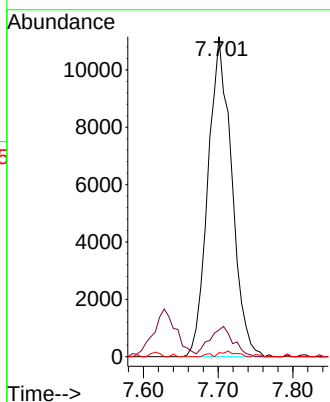
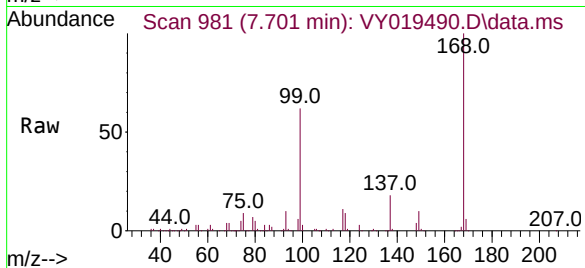
Acq: 10 Sep 2024 16:11

Instrument :

MSVOA\_Y

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 24520 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.5   | 19.0  | 57.0# |
| 77       | 1.1   | 25.3  | 37.9# |



#38

Carbon Tetrachloride

Concen: 6.380 ug/l

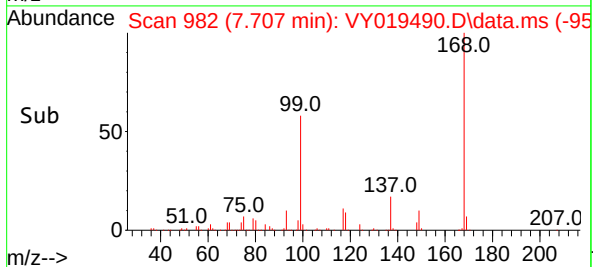
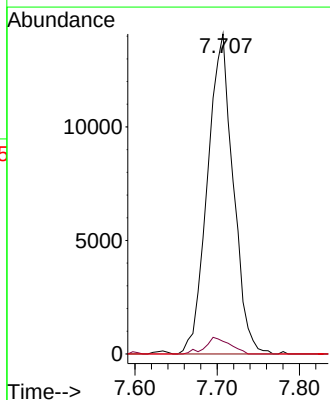
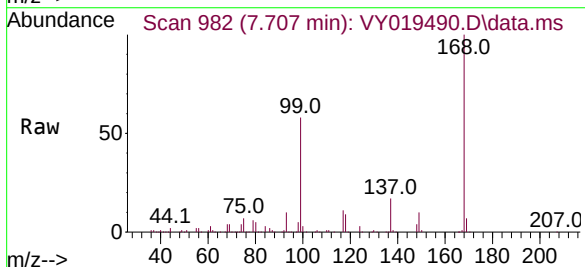
RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

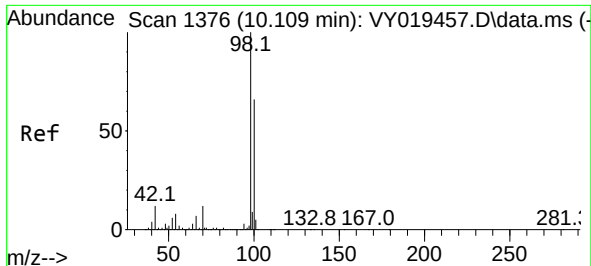
Lab File: VY019490.D

Acq: 10 Sep 2024 16:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 30610  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 3.9   | 75.8  | 113.6# |
| 121      | 0.0   | 24.0  | 36.0#  |



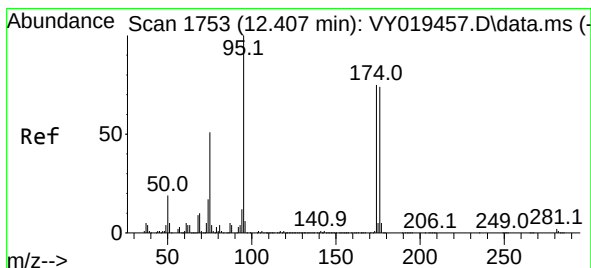
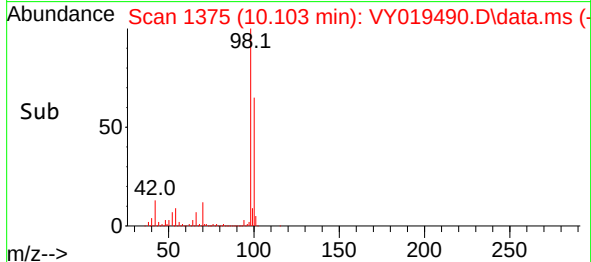
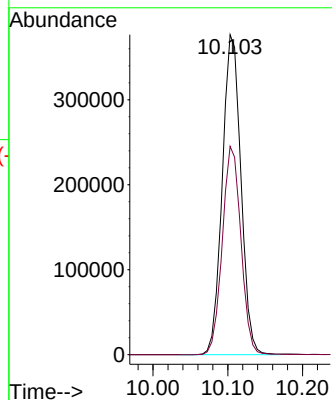
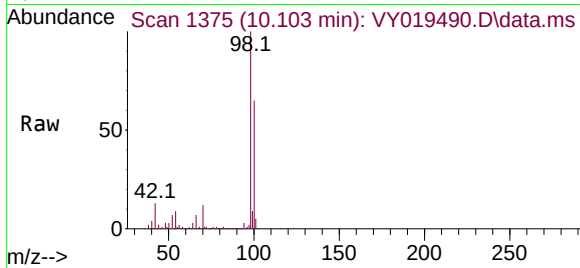




#50  
Toluene-d8  
Concen: 56.410 ug/l  
RT: 10.103 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY019490.D  
Acq: 10 Sep 2024 16:11

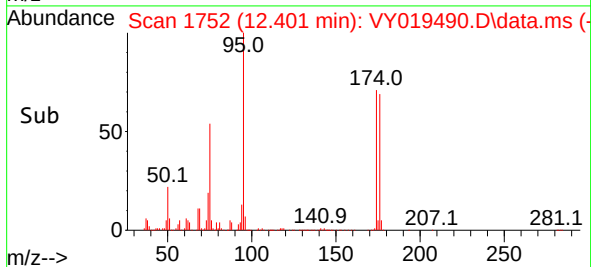
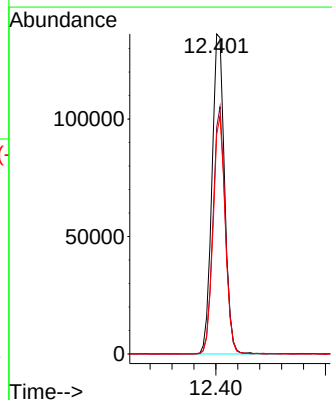
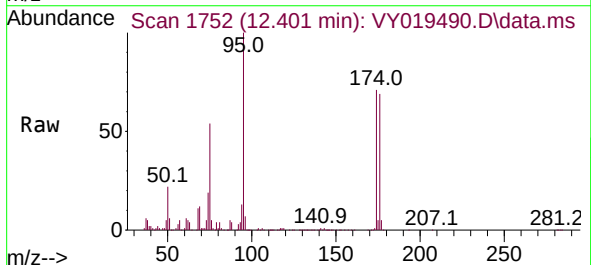
Instrument :  
MSVOA\_Y  
ClientSampleId :

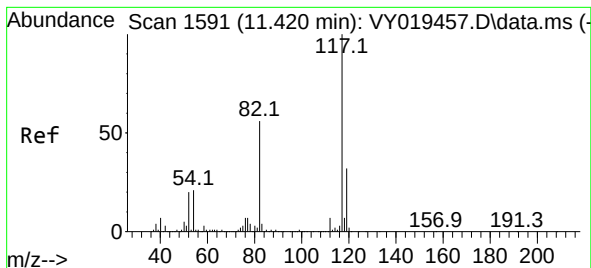
Tgt Ion: 98 Resp: 652361  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 48.613 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.006 min  
Lab File: VY019490.D  
Acq: 10 Sep 2024 16:11

Tgt Ion: 95 Resp: 216167  
Ion Ratio Lower Upper  
95 100  
174 74.7 0.0 175.6  
176 71.7 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

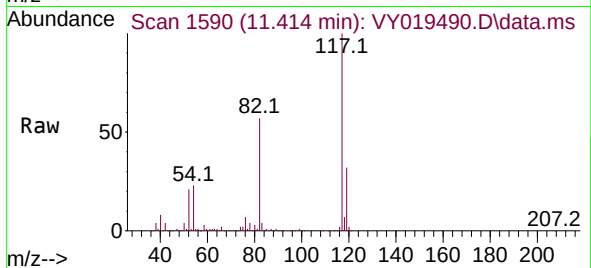
Lab File: VY019490.D

Acq: 10 Sep 2024 16:11

Instrument :

MSVOA\_Y

ClientSampleId :



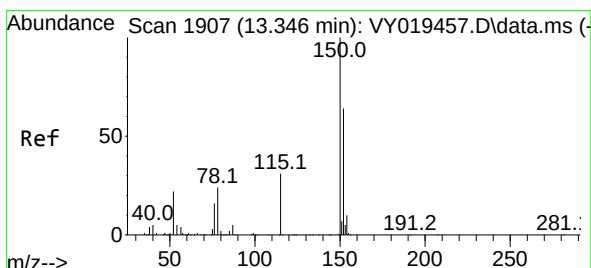
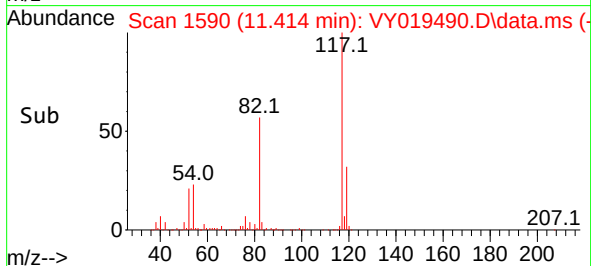
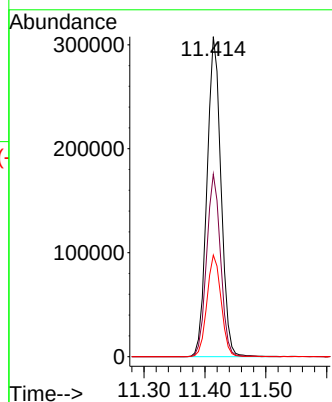
Tgt Ion:117 Resp: 491771

Ion Ratio Lower Upper

117 100

82 57.0 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: VY019490.D

Acq: 10 Sep 2024 16:11

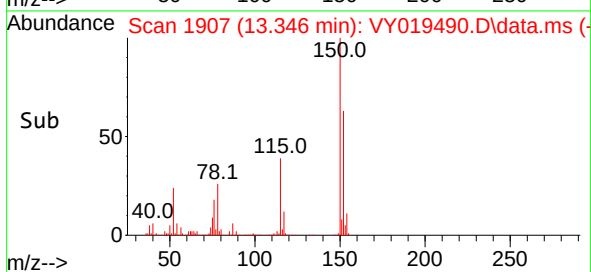
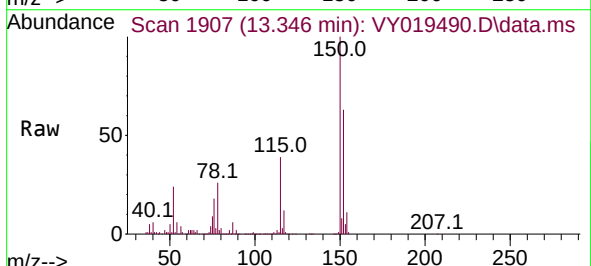
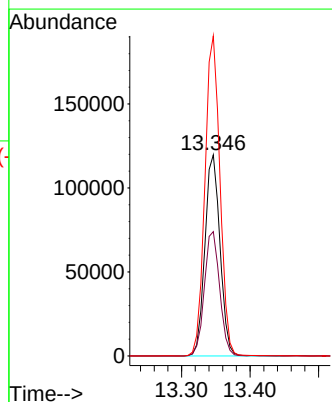
Tgt Ion:152 Resp: 183961

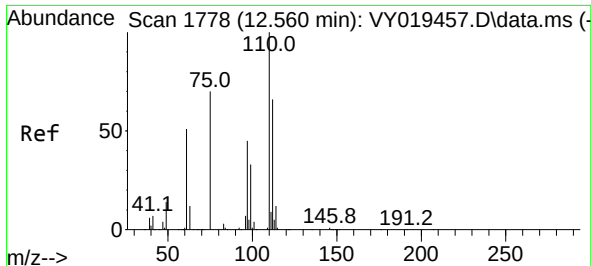
Ion Ratio Lower Upper

152 100

115 62.6 28.2 84.7

150 158.5 0.0 345.6

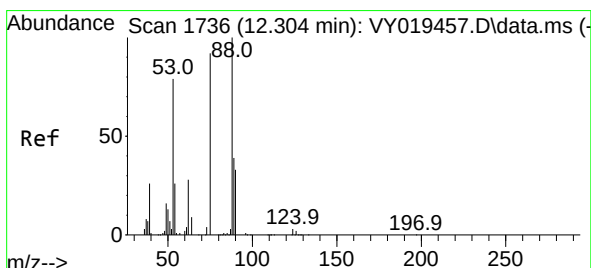
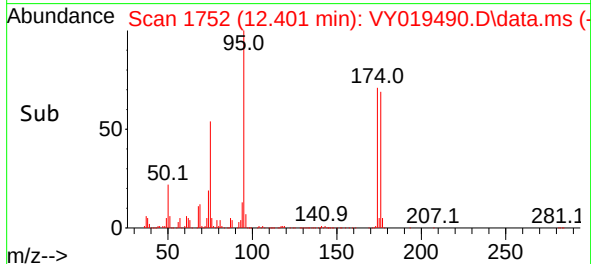
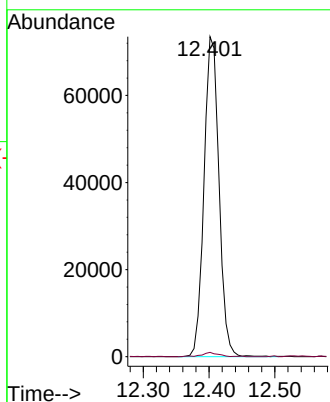
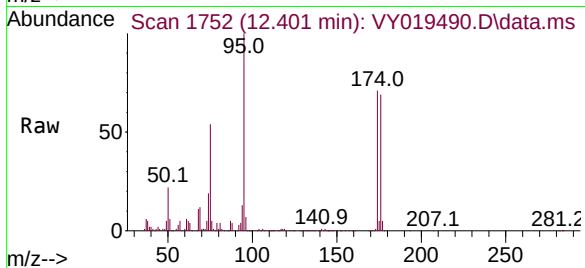




#76  
1,2,3-Trichloropropane  
Concen: 67.533 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.158 min  
Lab File: VY019490.D  
Acq: 10 Sep 2024 16:11

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 116444  
Ion Ratio Lower Upper  
75 100  
77 1.6 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 129.644 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. 0.098 min  
Lab File: VY019490.D  
Acq: 10 Sep 2024 16:11

Tgt Ion: 75 Resp: 116444  
Ion Ratio Lower Upper  
75 100  
53 0.4 66.8 100.2#  
89 0.0 35.8 53.6#

