

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112224\  
 Data File : VY020412.D  
 Acq On : 22 Nov 2024 14:50  
 Operator : SY/MD  
 Sample : P4946-02  
 Misc : 5.09g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 23 00:01:28 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111924S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 20 04:38:24 2024  
 Response via : Initial Calibration

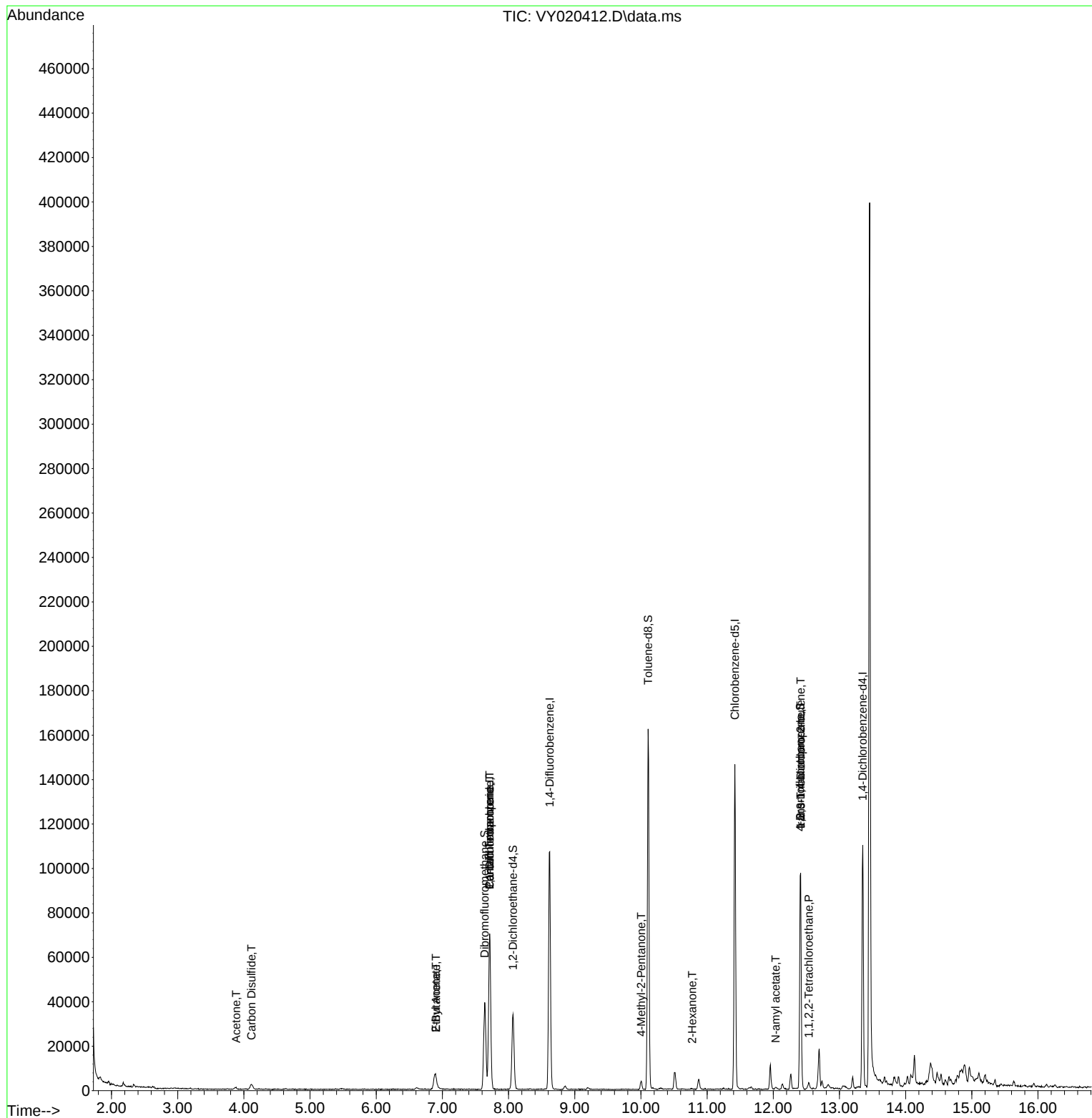
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 7.713          | 168  | 51274      | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.621          | 114  | 89204      | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.420         | 117  | 73882      | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.352         | 152  | 26451      | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.067          | 65   | 28442      | 48.282    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 96.560%   |        |          |
| 35) Dibromofluoromethane      | 7.640          | 113  | 27573      | 48.204    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 96.400%   |        |          |
| 50) Toluene-d8                | 10.109         | 98   | 103851     | 46.090    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = | 92.180%   |        |          |
| 62) 4-Bromofluorobenzene      | 12.407         | 95   | 30322      | 41.861    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 29 - 146 |      | Recovery = | 83.720%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        |          |
|                               |                |      |            |           | Qvalue |          |
| 3) Chloromethane              | 2.171          | 50   | 24         | Below Cal | #      | 41       |
| 11) Tert butyl alcohol        | 4.896          | 59   | 22         | Below Cal | #      | 73       |
| 16) Acetone                   | 3.884          | 43   | 1371       | 9.708     | ug/l # | 80       |
| 17) Carbon Disulfide          | 4.116          | 76   | 4702       | 2.495     | ug/l   | 97       |
| 25) 2-Butanone                | 6.902          | 43   | 928        | 5.104     | ug/l # | 50       |
| 36) 1,1-Dichloropropene       | 7.713          | 75   | 4510       | 5.162     | ug/l # | 51       |
| 37) Ethyl Acetate             | 6.902          | 43   | 928        | 2.319     | ug/l # | 84       |
| 38) Carbon Tetrachloride      | 7.713          | 117  | 5733       | 6.285     | ug/l # | 18       |
| 51) 4-Methyl-2-Pentanone      | 10.005         | 43   | 2781       | 7.041     | ug/l   | 97       |
| 59) 2-Hexanone                | 10.773         | 43   | 299        | 1.069     | ug/l   | 66       |
| 74) N-amyl acetate            | 12.035         | 43   | 811        | 1.498     | ug/l # | 44       |
| 75) 1,1,2,2-Tetrachloroethane | 12.535         | 83   | 1209       | 3.339     | ug/l # | 29       |
| 76) 1,2,3-Trichloropropane    | 12.413         | 75   | 17370      | 69.673    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.413         | 75   | 17370      | 136.520   | ug/l # | 9        |
| -----                         |                |      |            |           |        |          |

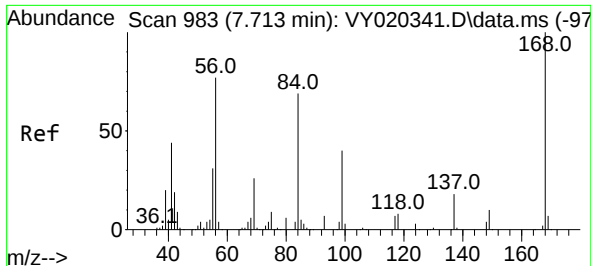
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112224\  
Data File : VY020412.D  
Acq On : 22 Nov 2024 14:50  
Operator : SY/MD  
Sample : P4946-02  
Misc : 5.09g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Nov 23 00:01:28 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111924S.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 20 04:38:24 2024  
Response via : Initial Calibration

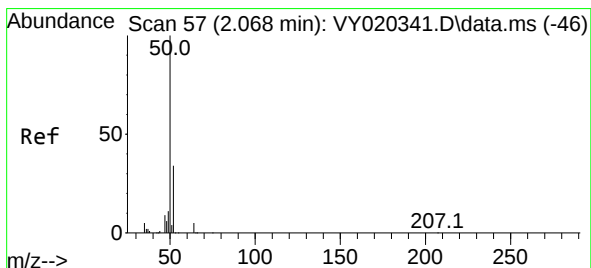
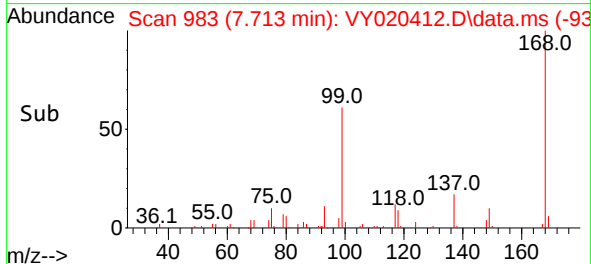
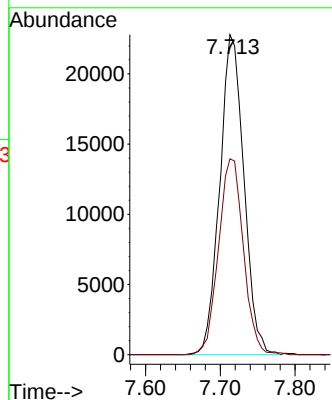
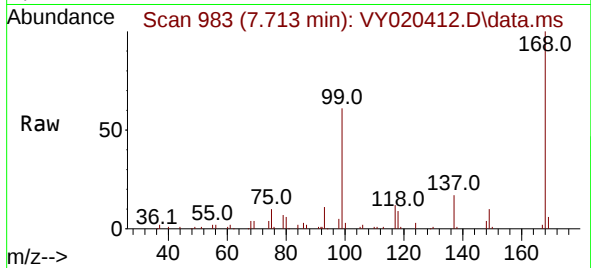




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY020412.D  
Acq: 22 Nov 2024 14:50

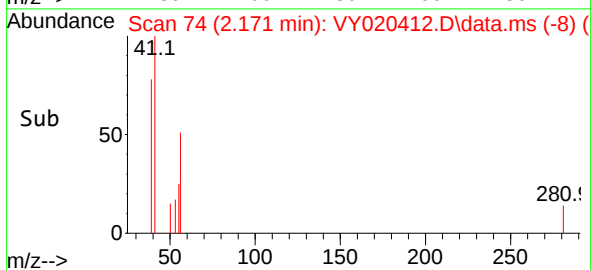
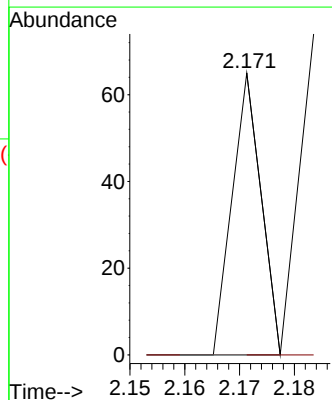
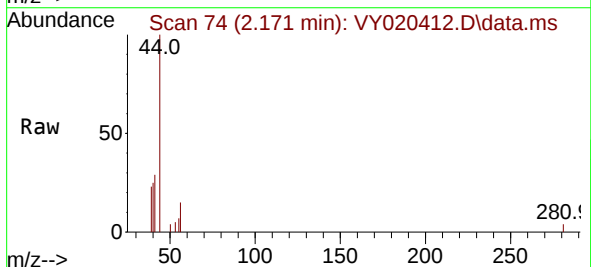
Instrument :  
MSVOA\_Y  
ClientSampleId :

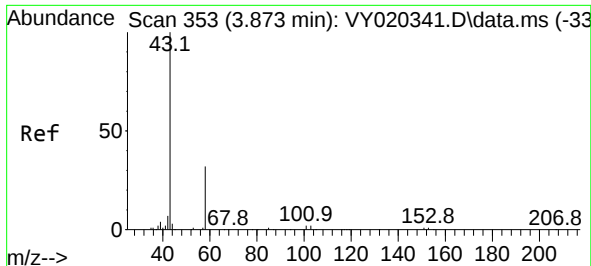
Tgt Ion:168 Resp: 51274  
Ion Ratio Lower Upper  
168 100  
99 61.2 46.6 69.8



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.171 min Scan# 74  
Delta R.T. 0.103 min  
Lab File: VY020412.D  
Acq: 22 Nov 2024 14:50

Tgt Ion: 50 Resp: 24  
Ion Ratio Lower Upper  
50 100  
52 0.0 26.9 40.3#





#16

Acetone

Concen: 9.708 ug/l

RT: 3.884 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY020412.D

Acq: 22 Nov 2024 14:50

Instrument :

MSVOA\_Y

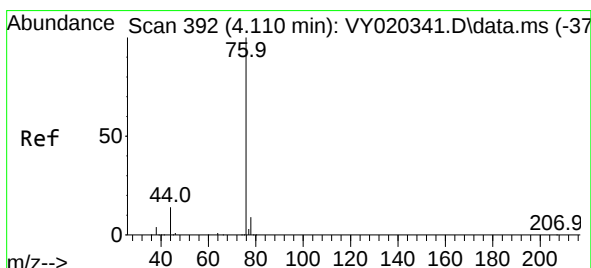
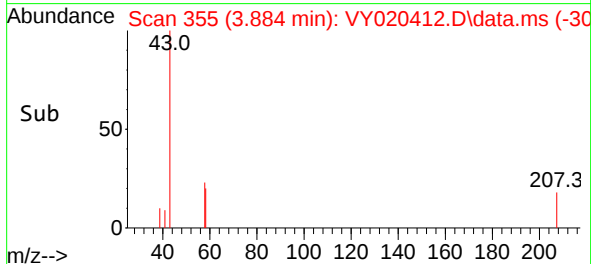
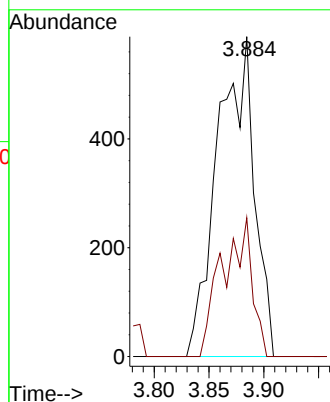
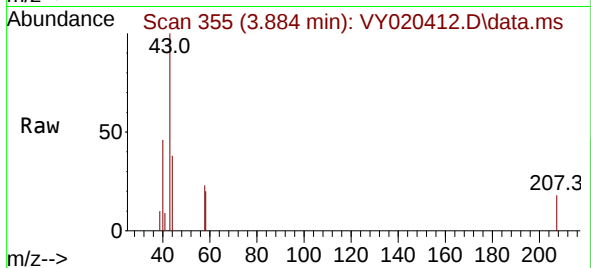
ClientSampleId :

Tgt Ion: 43 Resp: 1371

Ion Ratio Lower Upper

43 100

58 43.4 25.7 38.5#



#17

Carbon Disulfide

Concen: 2.495 ug/l

RT: 4.116 min Scan# 393

Delta R.T. 0.006 min

Lab File: VY020412.D

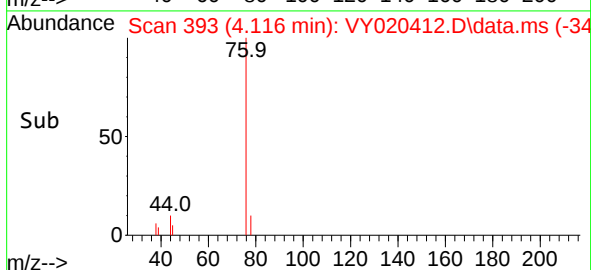
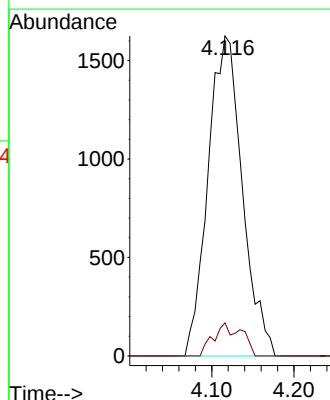
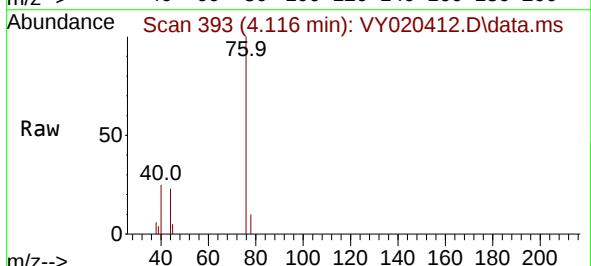
Acq: 22 Nov 2024 14:50

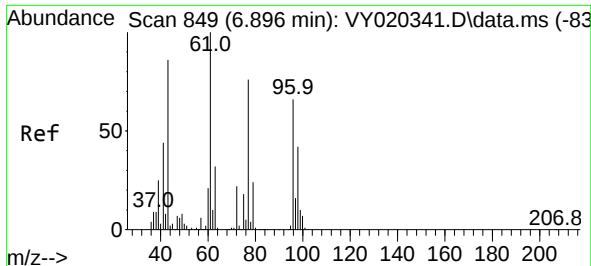
Tgt Ion: 76 Resp: 4702

Ion Ratio Lower Upper

76 100

78 10.3 7.3 10.9

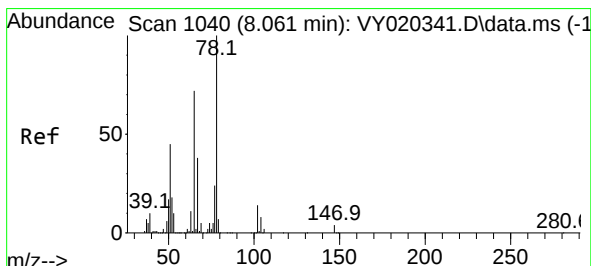
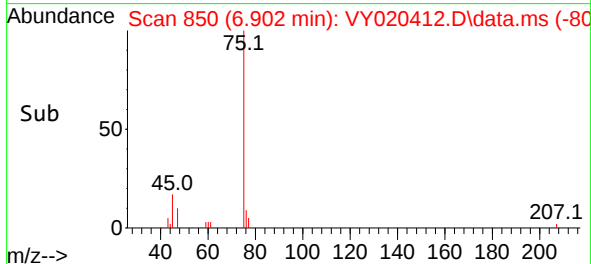
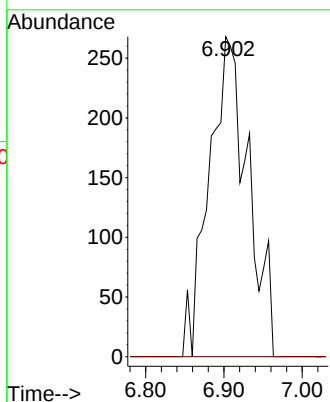
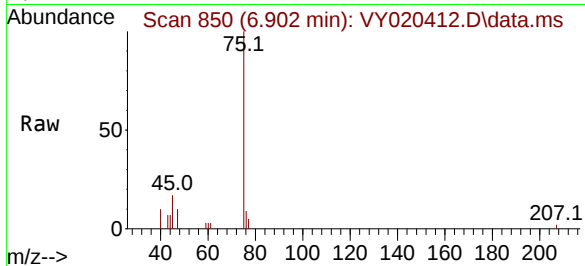




#25  
2-Butanone  
Concen: 5.104 ug/l  
RT: 6.902 min Scan# 849  
Delta R.T. 0.006 min  
Lab File: VY020412.D  
Acq: 22 Nov 2024 14:50

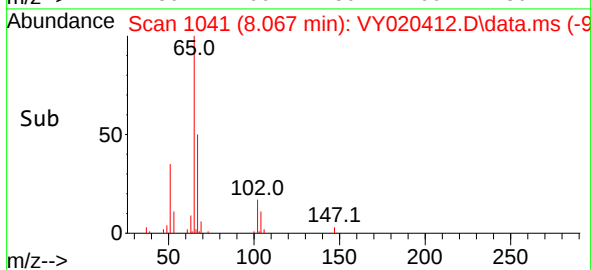
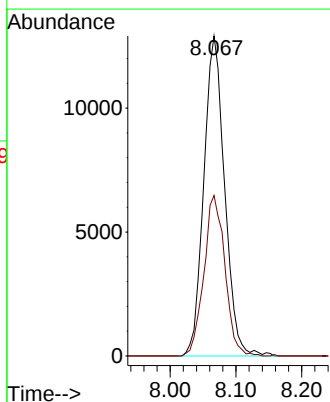
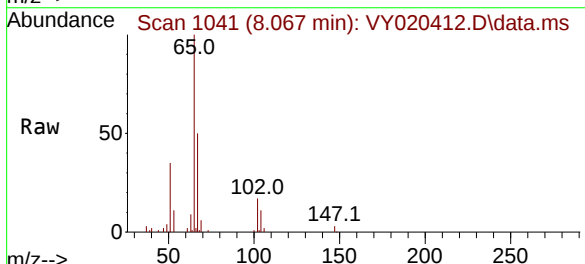
Instrument :  
MSVOA\_Y  
ClientSampleId :

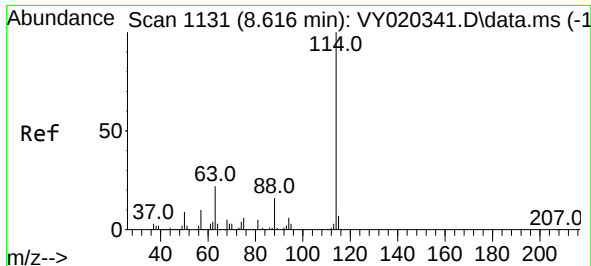
Tgt Ion: 43 Resp: 928  
Ion Ratio Lower Upper  
43 100  
72 0.0 20.4 30.6#



#33  
1,2-Dichloroethane-d4  
Concen: 48.282 ug/l  
RT: 8.067 min Scan# 1041  
Delta R.T. 0.006 min  
Lab File: VY020412.D  
Acq: 22 Nov 2024 14:50

Tgt Ion: 65 Resp: 28442  
Ion Ratio Lower Upper  
65 100  
67 50.6 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY020412.D

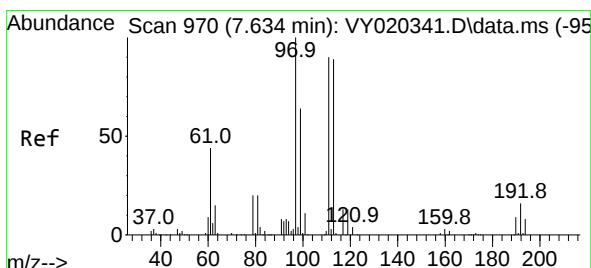
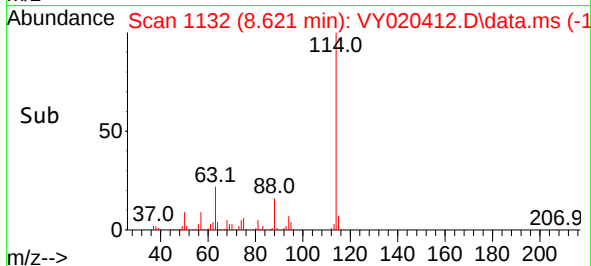
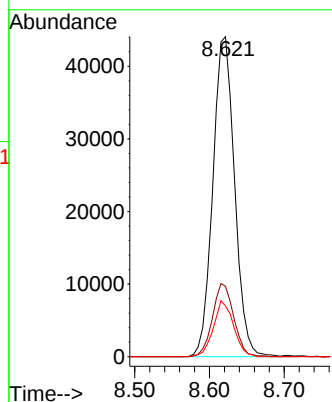
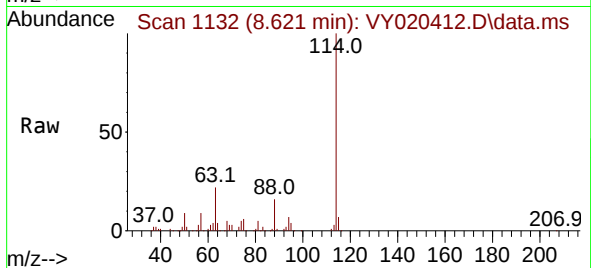
Acq: 22 Nov 2024 14:50

Instrument :

MSVOA\_Y

ClientSampleId :

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:114 | Resp: | 89204    |
| Ion Ratio   | Lower | Upper    |
| 114         | 100   |          |
| 63          | 22.0  | 0.0 44.8 |
| 88          | 15.9  | 0.0 32.0 |



#35

Dibromofluoromethane

Concen: 48.204 ug/l

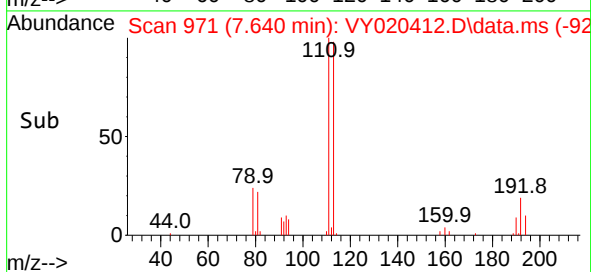
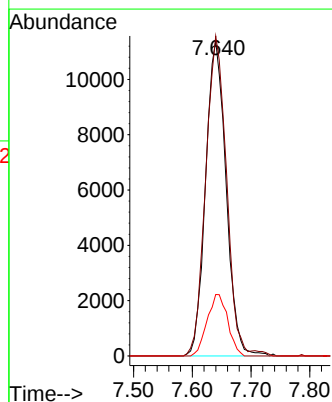
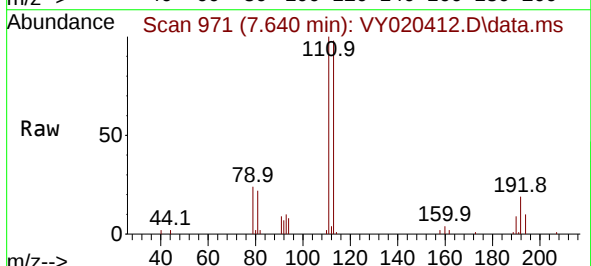
RT: 7.640 min Scan# 971

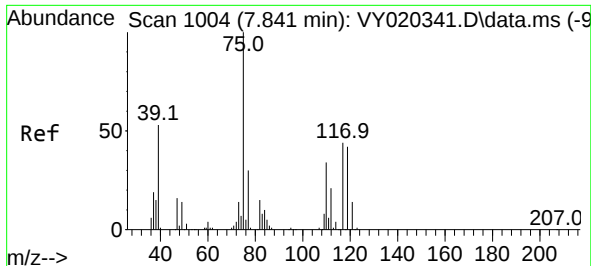
Delta R.T. 0.006 min

Lab File: VY020412.D

Acq: 22 Nov 2024 14:50

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:113 | Resp: | 27573      |
| Ion Ratio   | Lower | Upper      |
| 113         | 100   |            |
| 111         | 102.7 | 81.4 122.0 |
| 192         | 19.6  | 15.1 22.7  |





#36

1,1-Dichloropropene

Concen: 5.162 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.128 min

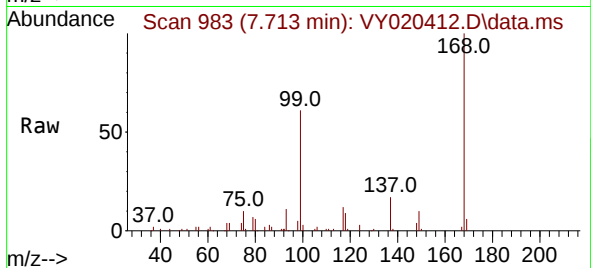
Lab File: VY020412.D

Acq: 22 Nov 2024 14:50

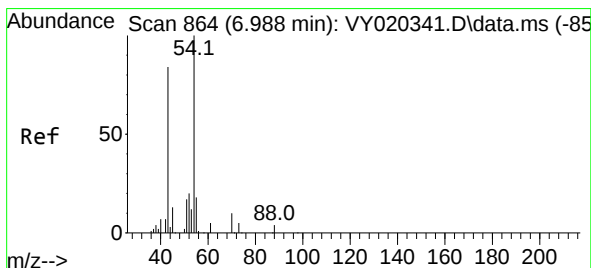
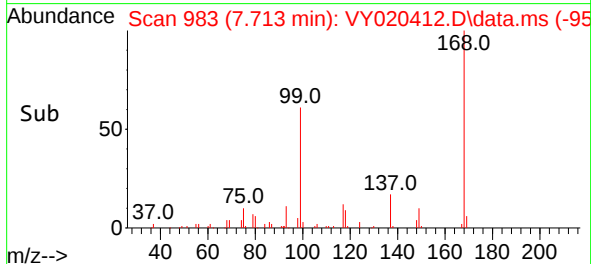
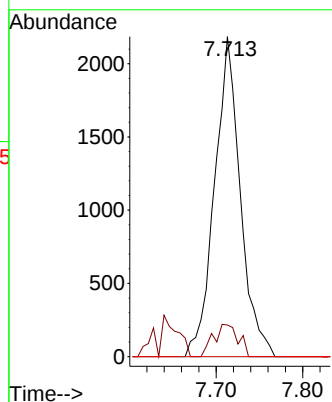
Instrument :

MSVOA\_Y

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 4510  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.7   | 16.7  | 50.0# |
| 77       | 0.0   | 24.6  | 36.8# |



#37

Ethyl Acetate

Concen: 2.319 ug/l

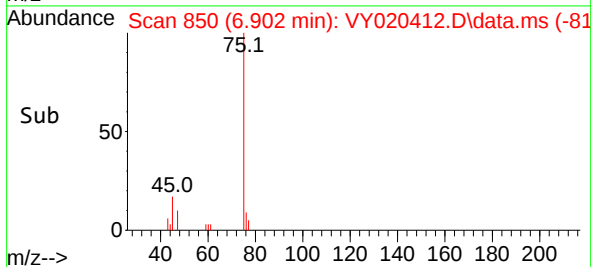
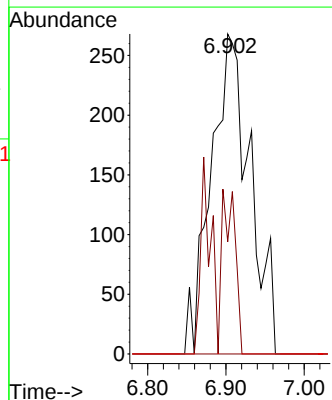
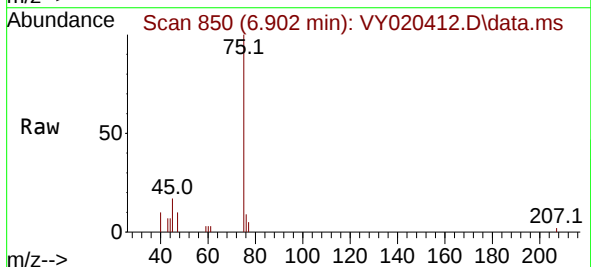
RT: 6.902 min Scan# 850

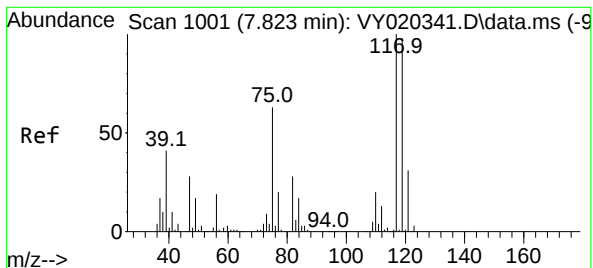
Delta R.T. -0.086 min

Lab File: VY020412.D

Acq: 22 Nov 2024 14:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 928   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 17.3  | 10.7  | 16.1# |
| 70       | 0.0   | 7.3   | 10.9# |





#38

Carbon Tetrachloride

Concen: 6.285 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.110 min

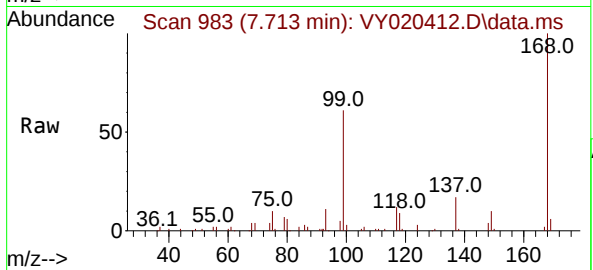
Lab File: VY020412.D

Acq: 22 Nov 2024 14:50

Instrument :

MSVOA\_Y

ClientSampleId :



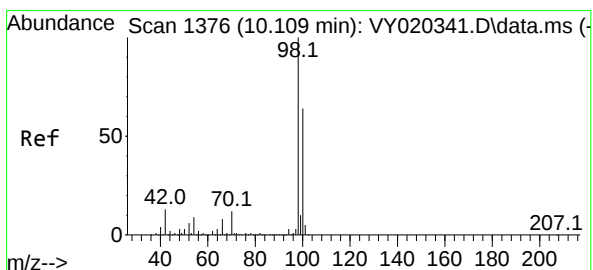
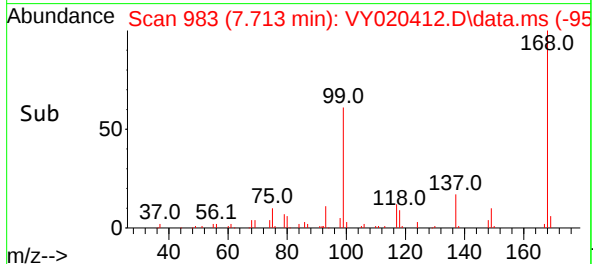
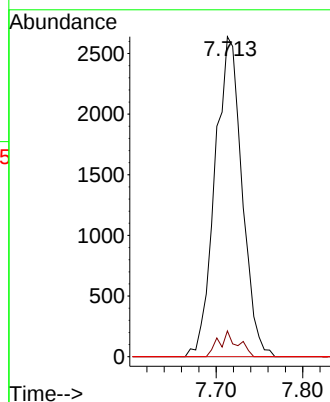
Tgt Ion:117 Resp: 5733

Ion Ratio Lower Upper

117 100

119 8.1 77.8 116.6#

121 0.0 24.6 37.0#



#50

Toluene-d8

Concen: 46.090 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY020412.D

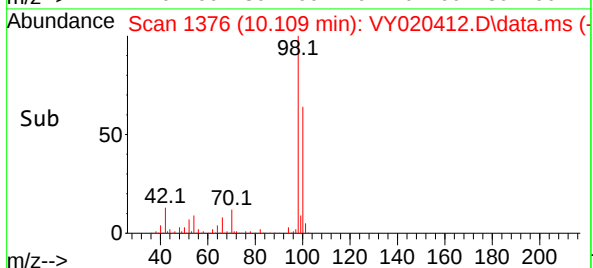
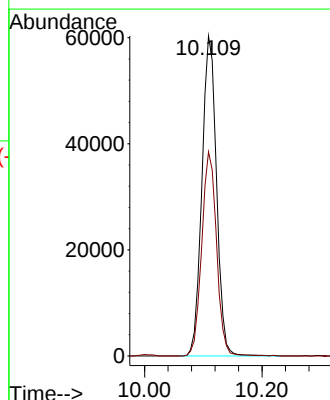
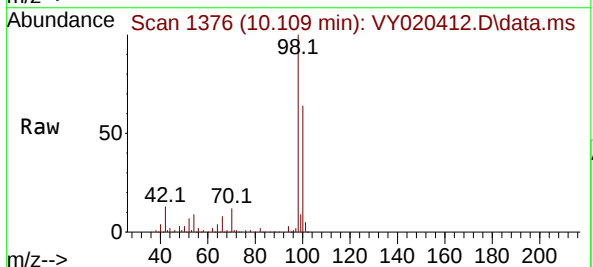
Acq: 22 Nov 2024 14:50

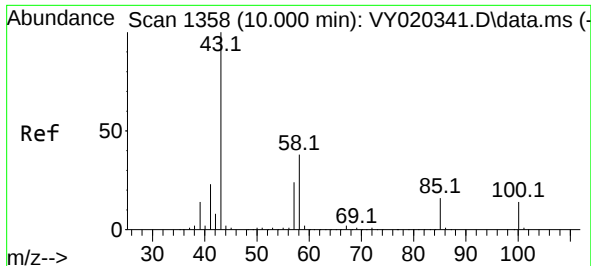
Tgt Ion: 98 Resp: 103851

Ion Ratio Lower Upper

98 100

100 64.7 51.3 76.9

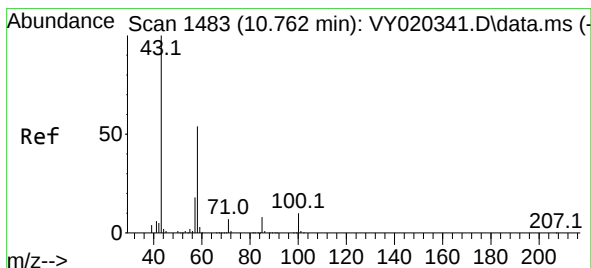
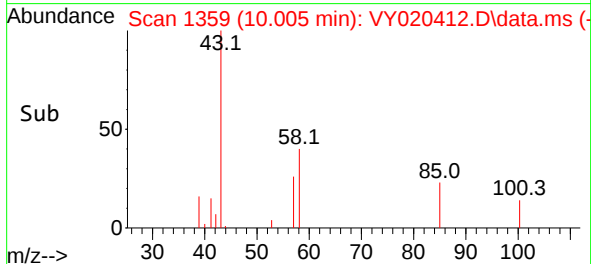
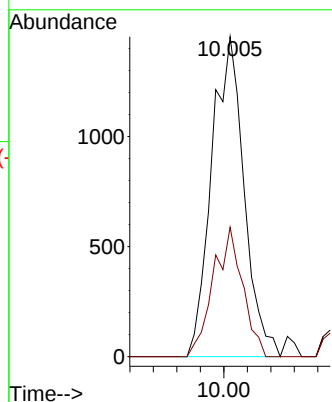
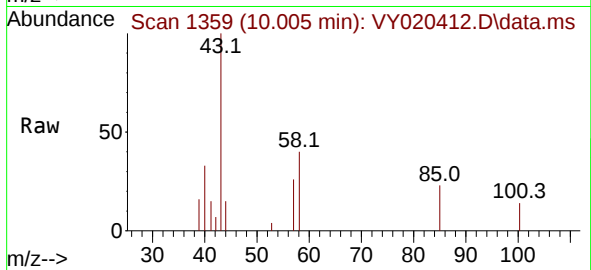




#51  
4-Methyl-2-Pentanone  
Concen: 7.041 ug/l  
RT: 10.005 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY020412.D  
Acq: 22 Nov 2024 14:50

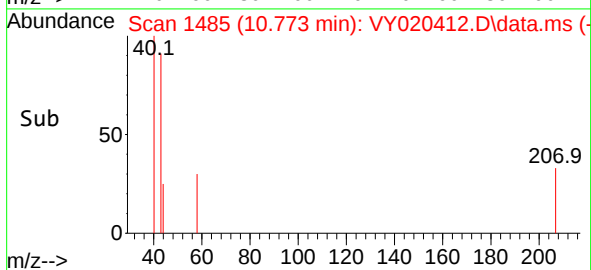
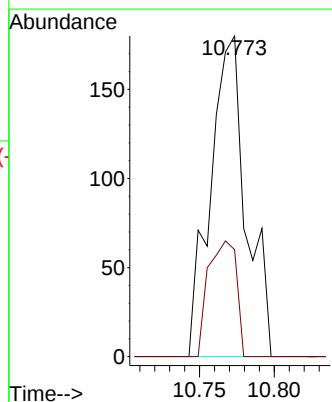
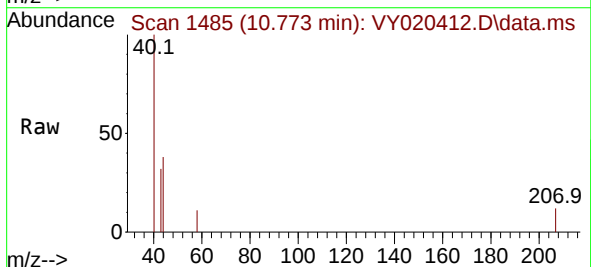
Instrument :  
MSVOA\_Y  
ClientSampleId :

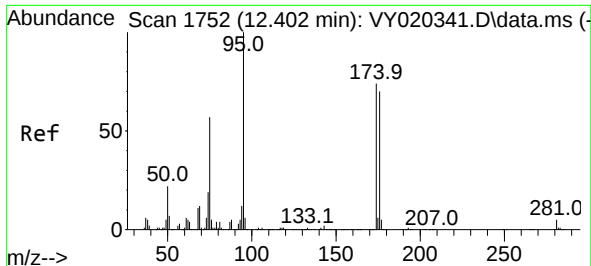
Tgt Ion: 43 Resp: 2781  
Ion Ratio Lower Upper  
43 100  
58 36.6 30.9 46.3



#59  
2-Hexanone  
Concen: 1.069 ug/l  
RT: 10.773 min Scan# 1485  
Delta R.T. 0.012 min  
Lab File: VY020412.D  
Acq: 22 Nov 2024 14:50

Tgt Ion: 43 Resp: 299  
Ion Ratio Lower Upper  
43 100  
58 28.4 26.4 79.2

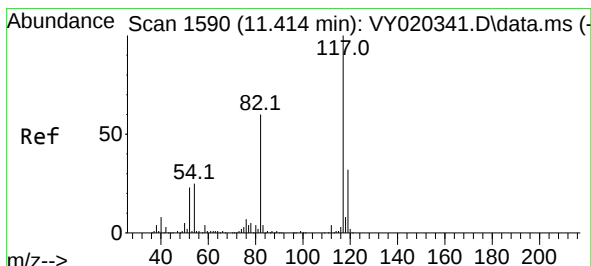
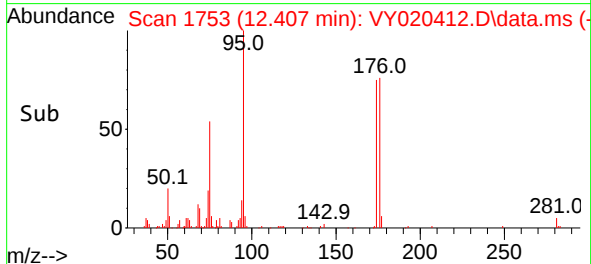
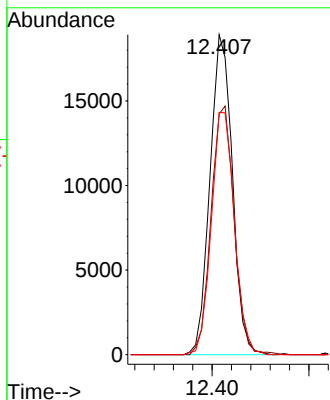
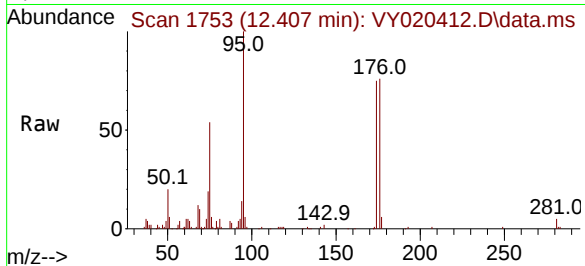




#62  
4-Bromofluorobenzene  
Concen: 41.861 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY020412.D  
Acq: 22 Nov 2024 14:50

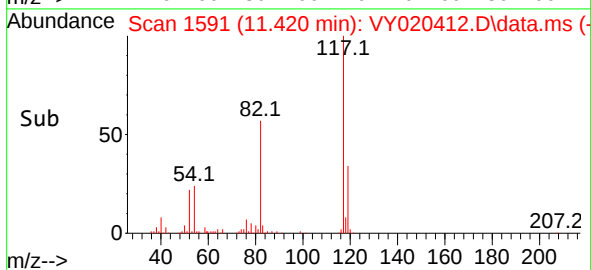
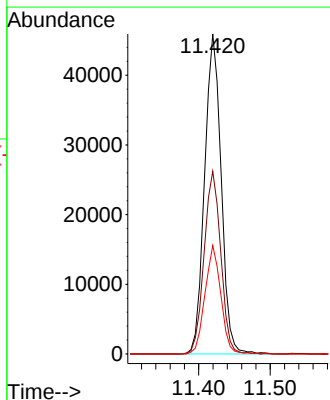
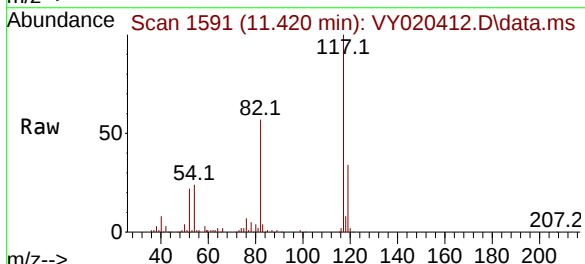
Instrument :  
MSVOA\_Y  
ClientSampleId :

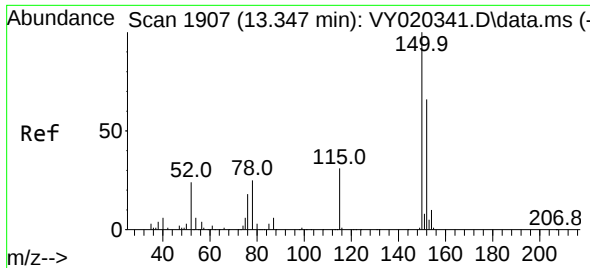
Tgt Ion: 95 Resp: 30322  
Ion Ratio Lower Upper  
95 100  
174 79.9 0.0 156.8  
176 78.2 0.0 152.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 1591  
Delta R.T. 0.006 min  
Lab File: VY020412.D  
Acq: 22 Nov 2024 14:50

Tgt Ion: 117 Resp: 73882  
Ion Ratio Lower Upper  
117 100  
82 57.1 48.2 72.4  
119 33.9 25.8 38.8

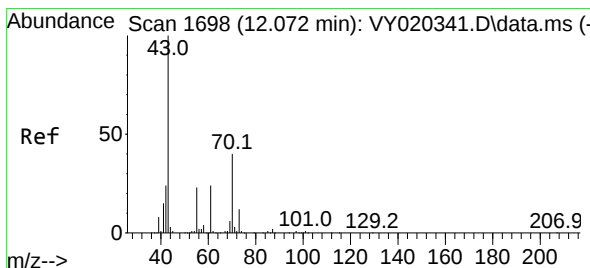
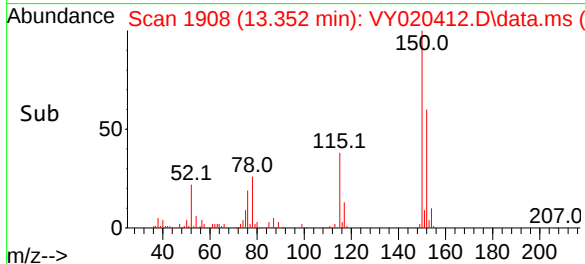
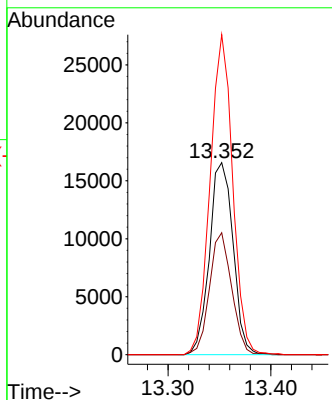
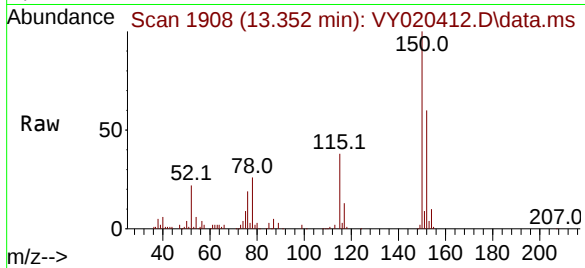




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.352 min Scan# 1908  
Delta R.T. 0.006 min  
Lab File: VY020412.D  
Acq: 22 Nov 2024 14:50

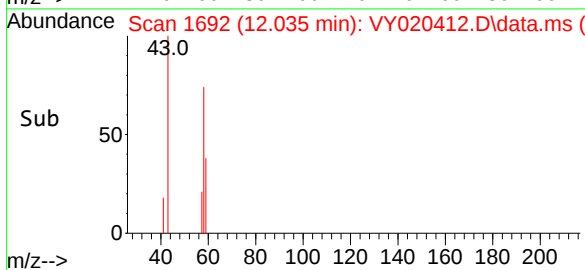
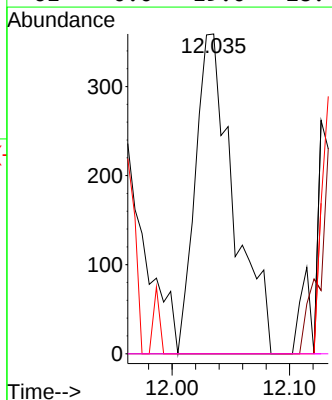
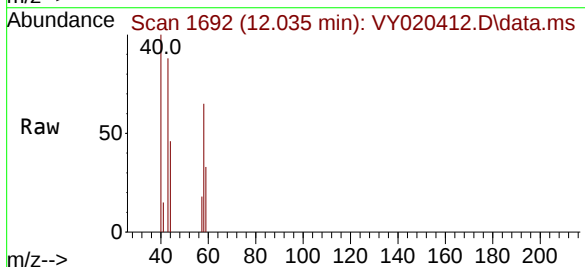
Instrument :  
MSVOA\_Y  
ClientSampleId :

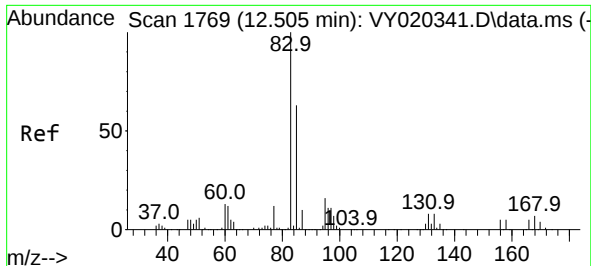
Tgt Ion:152 Resp: 26451  
Ion Ratio Lower Upper  
152 100  
115 59.9 30.0 90.0  
150 158.8 0.0 348.2



#74  
N-amy1 acetate  
Concen: 1.498 ug/l  
RT: 12.035 min Scan# 1692  
Delta R.T. -0.037 min  
Lab File: VY020412.D  
Acq: 22 Nov 2024 14:50

Tgt Ion: 43 Resp: 811  
Ion Ratio Lower Upper  
43 100  
70 0.0 32.9 49.3#  
55 0.0 19.3 28.9#  
61 0.0 19.0 28.4#

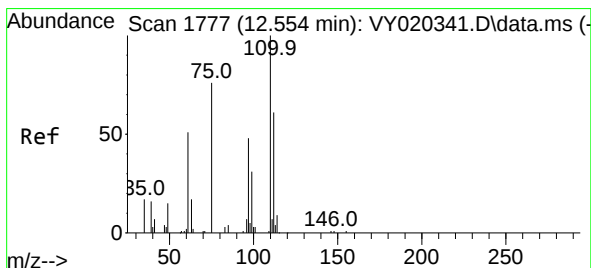
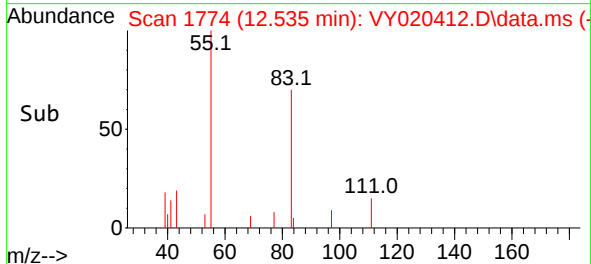
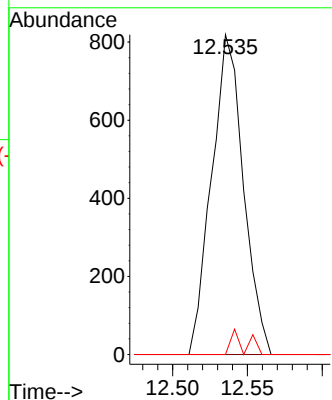
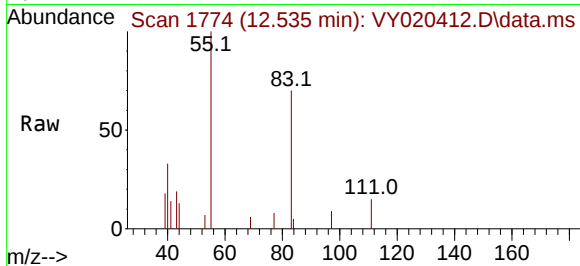




#75  
1,1,2,2-Tetrachloroethane  
Concen: 3.339 ug/l  
RT: 12.535 min Scan# 1774  
Delta R.T. 0.030 min  
Lab File: VY020412.D  
Acq: 22 Nov 2024 14:50

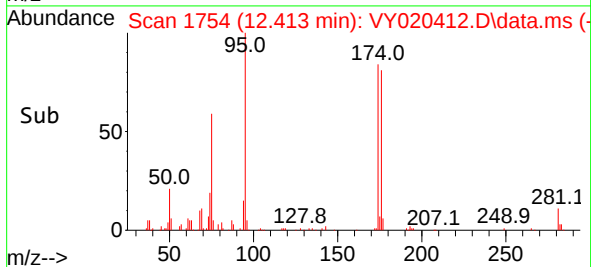
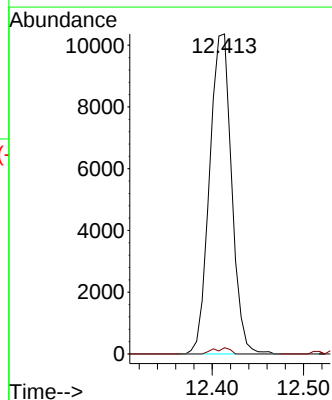
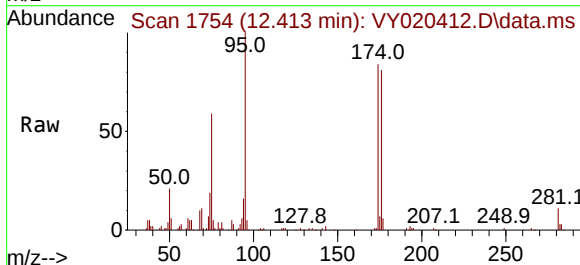
Instrument :  
MSVOA\_Y  
ClientSampleId :

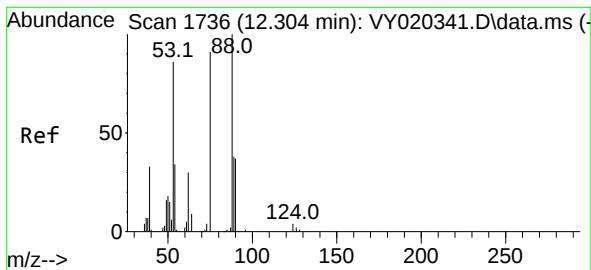
Tgt Ion: 83 Resp: 1209  
Ion Ratio Lower Upper  
83 100  
131 0.0 4.8 14.4#  
85 3.5 32.0 96.0#



#76  
1,2,3-Trichloropropane  
Concen: 69.673 ug/l  
RT: 12.413 min Scan# 1754  
Delta R.T. -0.141 min  
Lab File: VY020412.D  
Acq: 22 Nov 2024 14:50

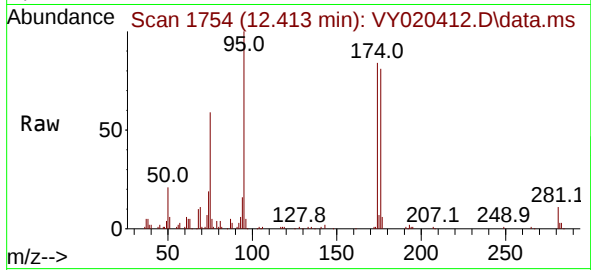
Tgt Ion: 75 Resp: 17370  
Ion Ratio Lower Upper  
75 100  
77 1.5 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 136.520 ug/l  
 RT: 12.413 min Scan# 11  
 Delta R.T. 0.109 min  
 Lab File: VY020412.D  
 Acq: 22 Nov 2024 14:50

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 17370  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 81.1 121.7#  
 89 0.0 35.1 52.7#

