

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042424\  
 Data File : VY018033.D  
 Acq On : 24 Apr 2024 12:27  
 Operator : SY/MD  
 Sample : P2245-02  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Apr 25 01:33:53 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041624S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 17 06:24:42 2024  
 Response via : Initial Calibration

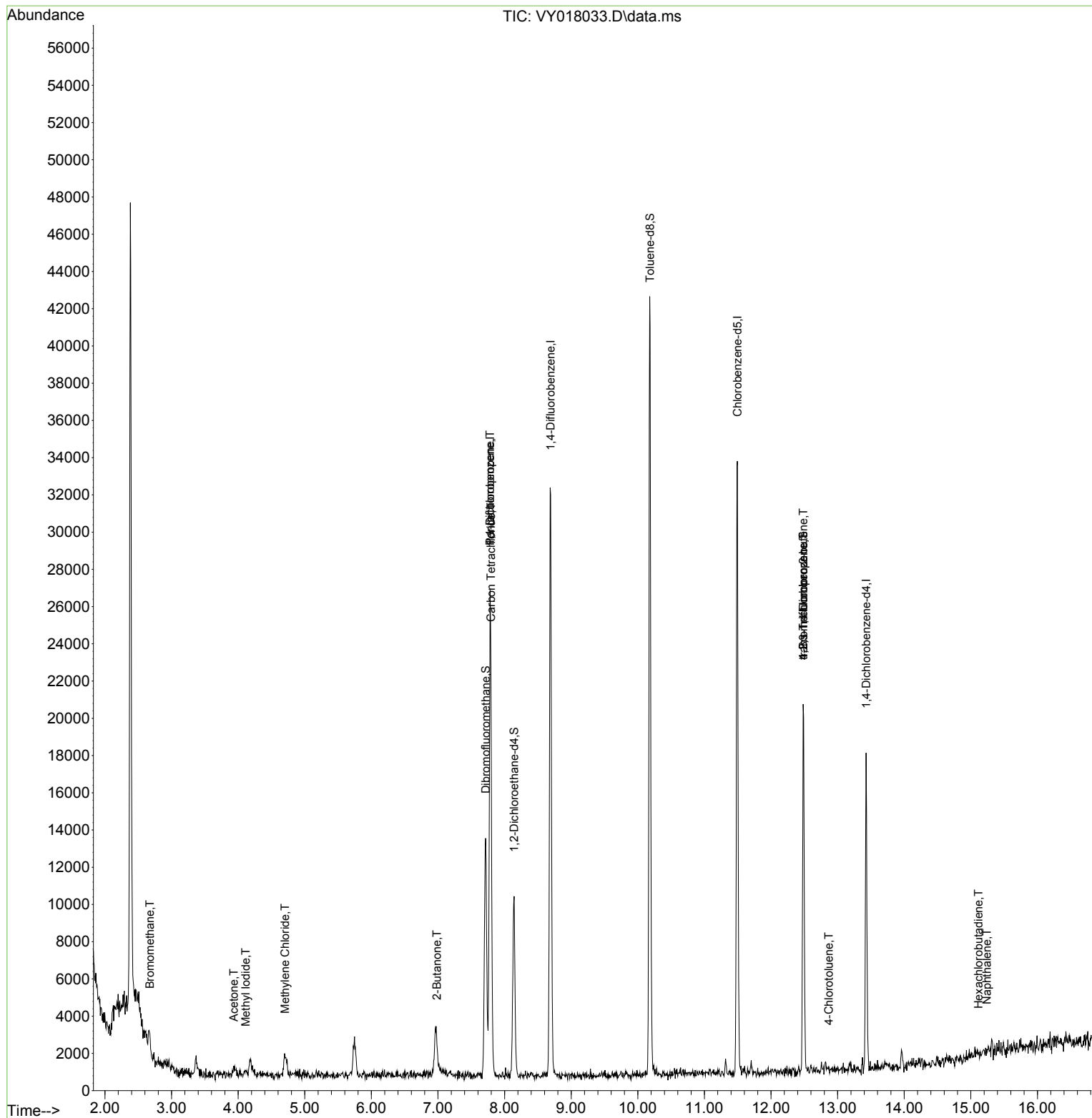
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) Pentafluorobenzene         | 7.783          | 168  | 22477      | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691          | 114  | 29743      | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.495         | 117  | 20820      | 50.000   | ug/l   | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 4802       | 50.000   | ug/l   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.142          | 65   | 7584       | 38.990   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 77.980%  |        |          |
| 35) Dibromofluoromethane      | 7.716          | 113  | 9629       | 52.475   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 104.960% |        |          |
| 50) Toluene-d8                | 10.185         | 98   | 30727      | 44.130   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = | 88.260%  |        |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 5284       | 24.504   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 30 - 143 |      | Recovery = | 49.000%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 5) Bromomethane               | 2.674          | 94   | 295        | 1.331    | ug/l # | 74       |
| 10) Methyl Iodide             | 4.113          | 142  | 478        | 1.537    | ug/l # | 53       |
| 16) Acetone                   | 3.936          | 43   | 418        | 10.876   | ug/l # | 60       |
| 20) Methylene Chloride        | 4.704          | 84   | 1007       | 3.867    | ug/l # | 78       |
| 25) 2-Butanone                | 6.984          | 43   | 57         | 1.009    | ug/l # | 41       |
| 36) 1,1-Dichloropropene       | 7.783          | 75   | 1660       | 6.221    | ug/l # | 40       |
| 38) Carbon Tetrachloride      | 7.795          | 117  | 2195       | 8.142    | ug/l # | 13       |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 2441       | 54.171   | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 2441       | 111.690  | ug/l # | 16       |
| 82) 4-Chlorotoluene           | 12.867         | 91   | 251        | 1.020    | ug/l # | 39       |
| 94) Hexachlorobutadiene       | 15.117         | 225  | 70         | 1.398    | ug/l # | 19       |
| 95) Naphthalene               | 15.239         | 128  | 293        | 2.106    | ug/l # | 69       |
| -----                         |                |      |            |          |        |          |

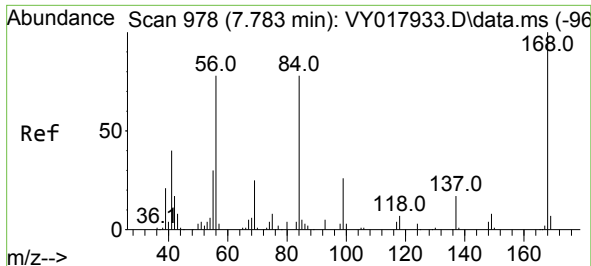
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042424\  
Data File : VY018033.D  
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Sample : P2245-02  
Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

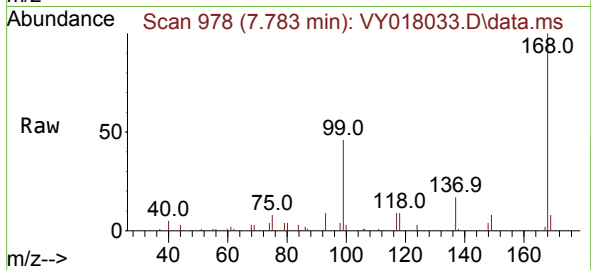
Quant Time: Apr 25 01:33:53 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041624S.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 17 06:24:42 2024  
Response via : Initial Calibration



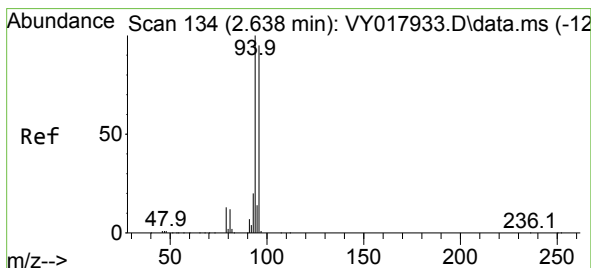
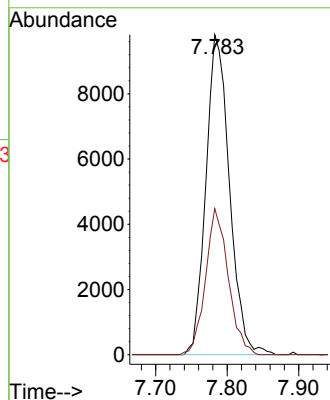
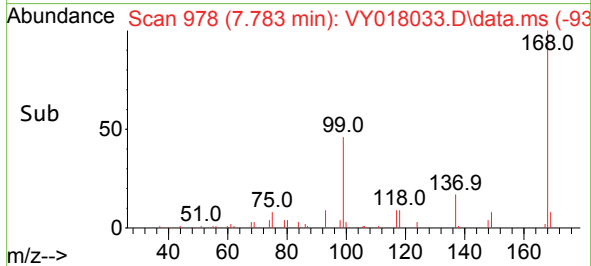


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY018033.D  
Acq: 24 Apr 2024 12:27

Instrument :  
MSVOA\_Y  
ClientSampleId :

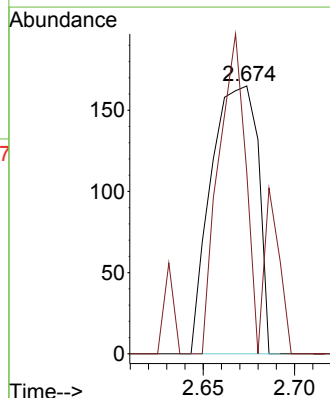
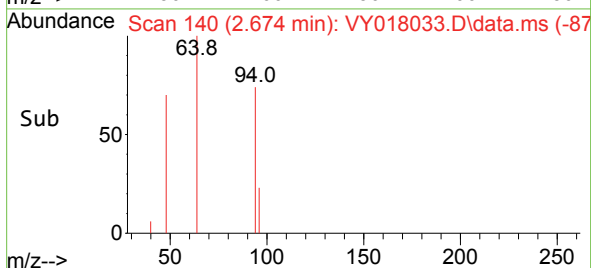
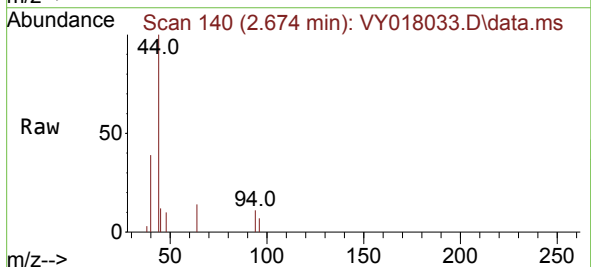


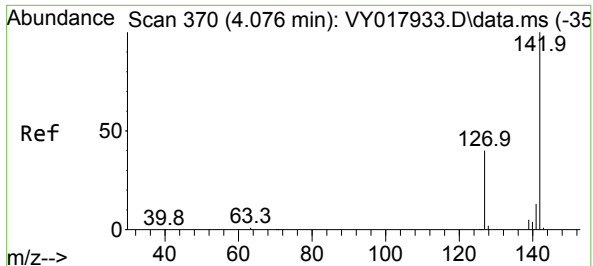
Tgt Ion:168 Resp: 22477  
Ion Ratio Lower Upper  
168 100  
99 45.7 39.1 58.7



#5  
Bromomethane  
Concen: 1.331 ug/l  
RT: 2.674 min Scan# 140  
Delta R.T. 0.024 min  
Lab File: VY018033.D  
Acq: 24 Apr 2024 12:27

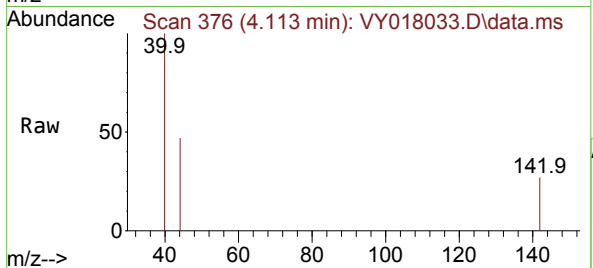
Tgt Ion: 94 Resp: 295  
Ion Ratio Lower Upper  
94 100  
96 67.9 74.1 111.1#



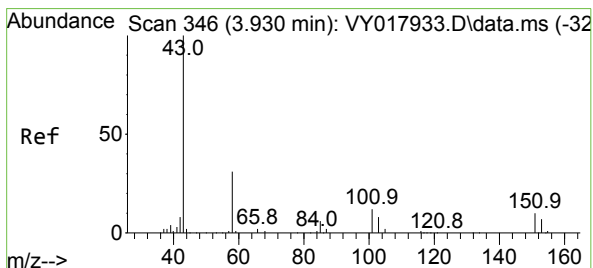
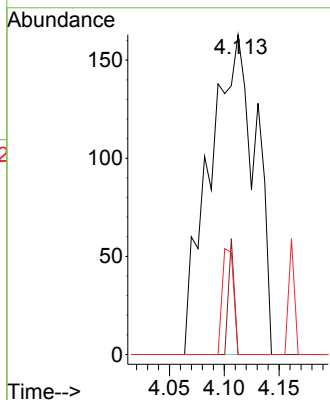


#10  
Methyl Iodide  
Concen: 1.537 ug/l  
RT: 4.113 min Scan# 31  
Delta R.T. 0.024 min  
Lab File: VY018033.D  
Acq: 24 Apr 2024 12:27

Instrument :  
MSVOA\_Y  
ClientSampleId :

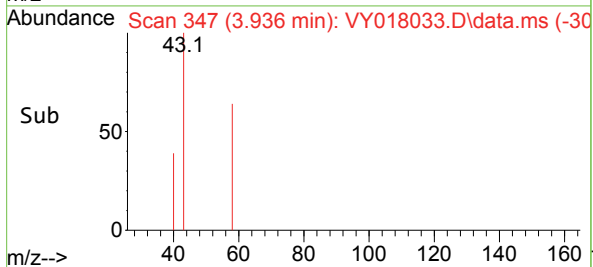
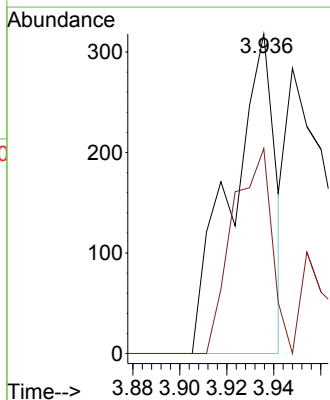
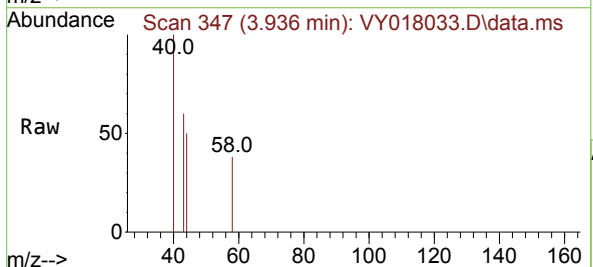


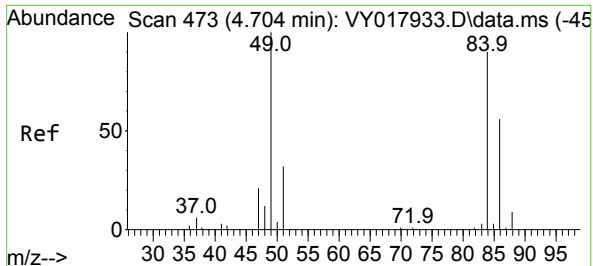
Tgt Ion:142 Resp: 478  
Ion Ratio Lower Upper  
142 100  
127 4.6 32.8 49.2#  
141 8.2 11.4 17.2#



#16  
Acetone  
Concen: 10.876 ug/l  
RT: 3.936 min Scan# 347  
Delta R.T. -0.012 min  
Lab File: VY018033.D  
Acq: 24 Apr 2024 12:27

Tgt Ion: 43 Resp: 418  
Ion Ratio Lower Upper  
43 100  
58 64.2 31.7 47.5#





#20

Methylene Chloride

Concen: 3.867 ug/l

RT: 4.704 min Scan# 41

Delta R.T. -0.012 min

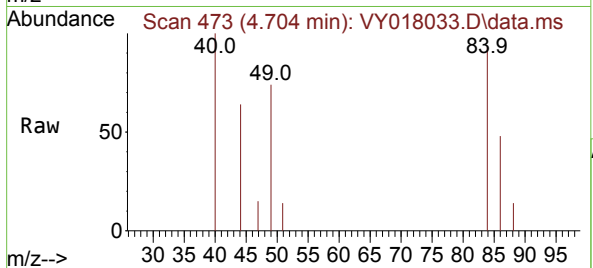
Lab File: VY018033.D

Acq: 24 Apr 2024 12:27

Instrument :

MSVOA\_Y

ClientSampleId :



Tgt Ion: 84 Resp: 1007

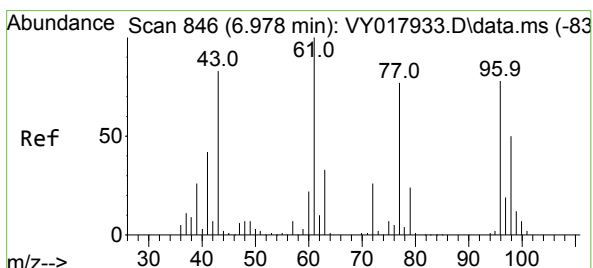
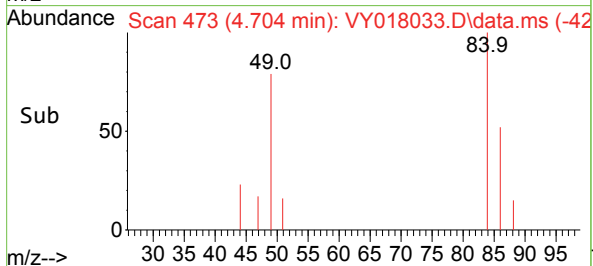
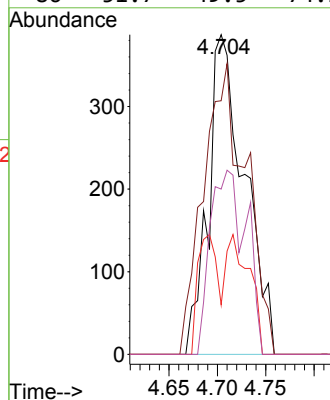
Ion Ratio Lower Upper

84 100

49 79.3 84.4 126.6#

51 15.5 26.0 39.0#

86 51.7 49.5 74.3



#25

2-Butanone

Concen: 1.009 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY018033.D

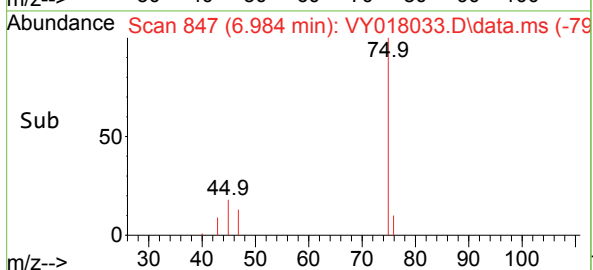
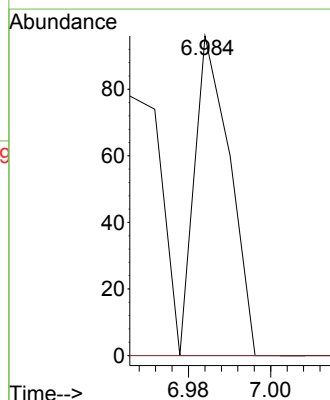
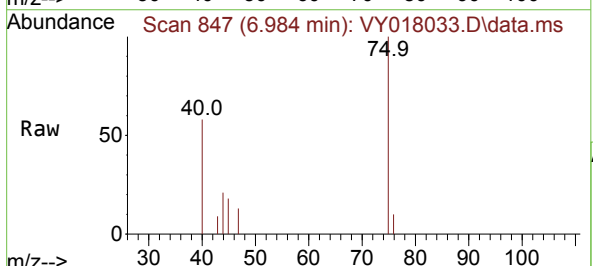
Acq: 24 Apr 2024 12:27

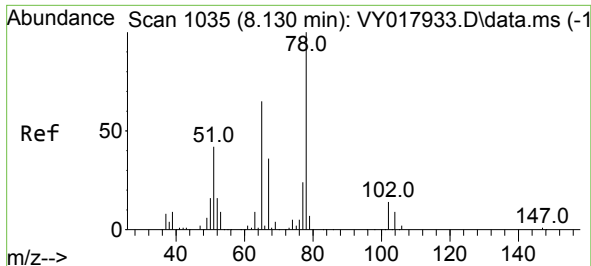
Tgt Ion: 43 Resp: 57

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#

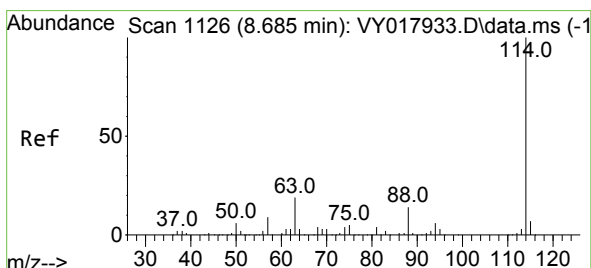
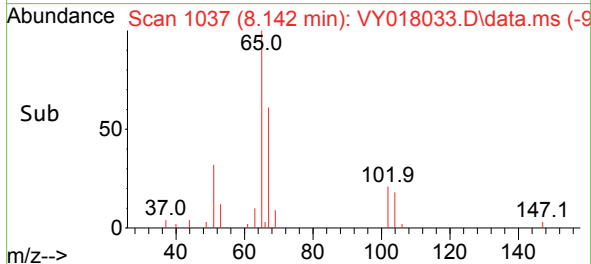
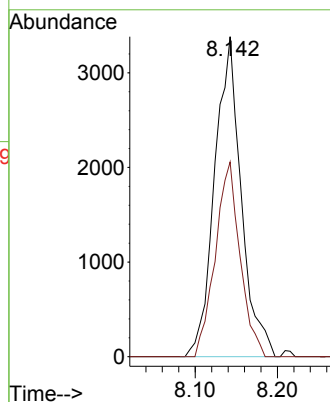
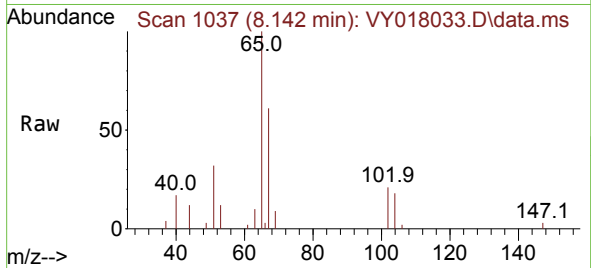




#33  
1,2-Dichloroethane-d4  
Concen: 38.990 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY018033.D  
Acq: 24 Apr 2024 12:27

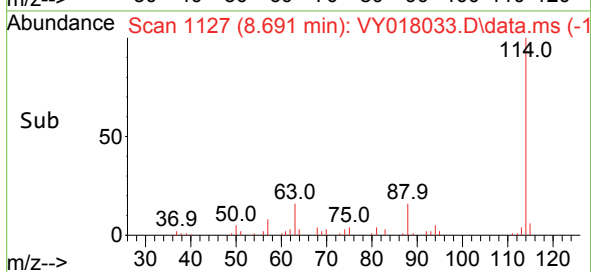
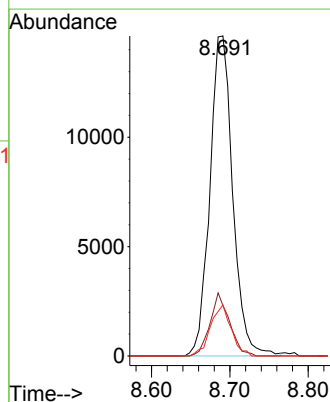
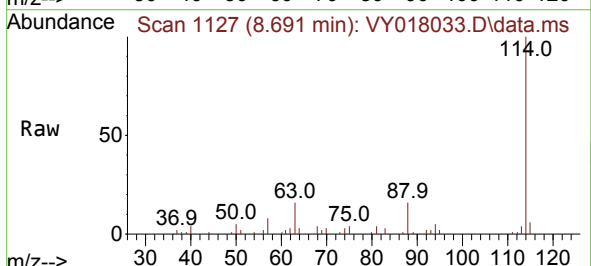
Instrument :  
MSVOA\_Y  
ClientSampleId :

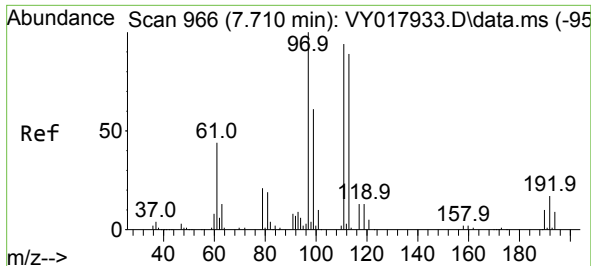
Tgt Ion: 65 Resp: 7584  
Ion Ratio Lower Upper  
65 100  
67 56.8 0.0 109.6



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. -0.000 min  
Lab File: VY018033.D  
Acq: 24 Apr 2024 12:27

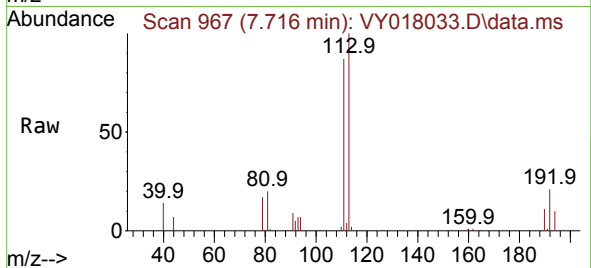
Tgt Ion:114 Resp: 29743  
Ion Ratio Lower Upper  
114 100  
63 15.7 0.0 35.0  
88 16.0 0.0 27.2



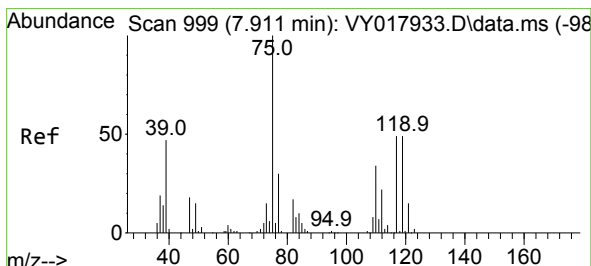
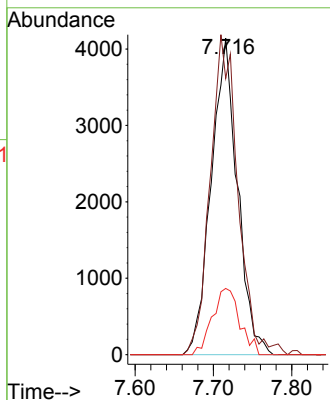
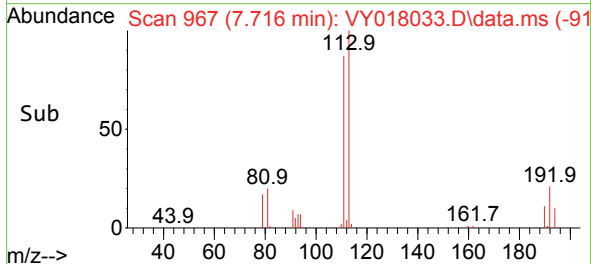


#35  
Dibromofluoromethane  
Concen: 52.475 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY018033.D  
Acq: 24 Apr 2024 12:27

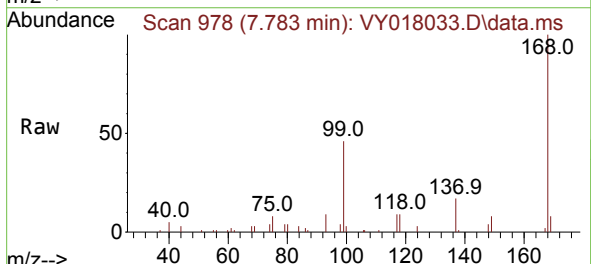
Instrument :  
MSVOA\_Y  
ClientSampleId :



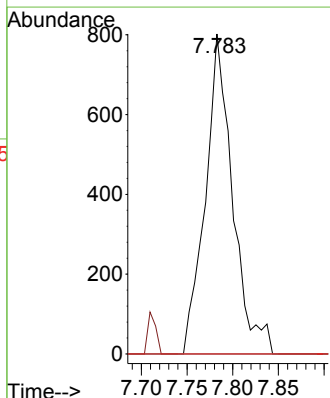
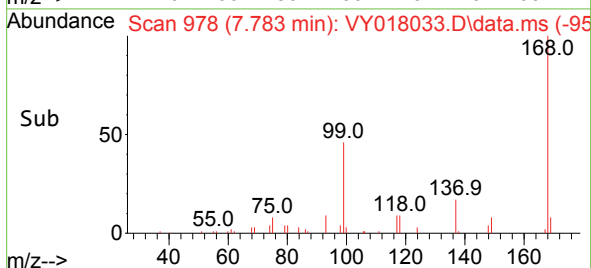
Tgt Ion:113 Resp: 9629  
Ion Ratio Lower Upper  
113 100  
111 106.5 82.2 123.4  
192 21.9 15.9 23.9

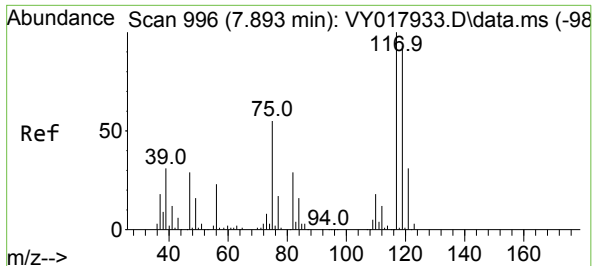


#36  
1,1-Dichloropropene  
Concen: 6.221 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.134 min  
Lab File: VY018033.D  
Acq: 24 Apr 2024 12:27



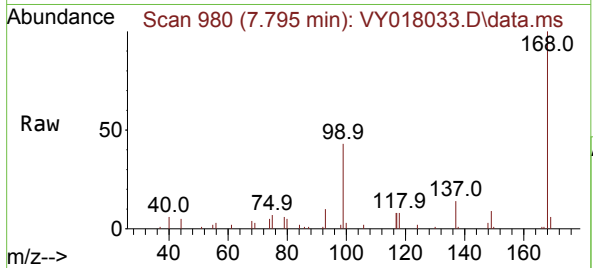
Tgt Ion: 75 Resp: 1660  
Ion Ratio Lower Upper  
75 100  
110 0.0 19.0 57.0#  
77 0.0 25.3 37.9#



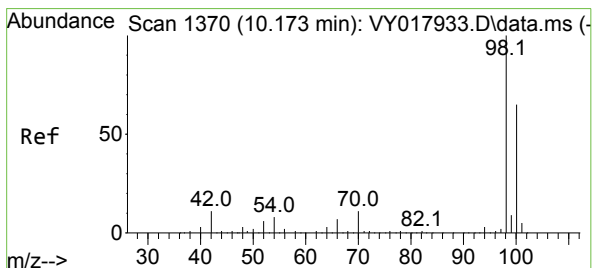
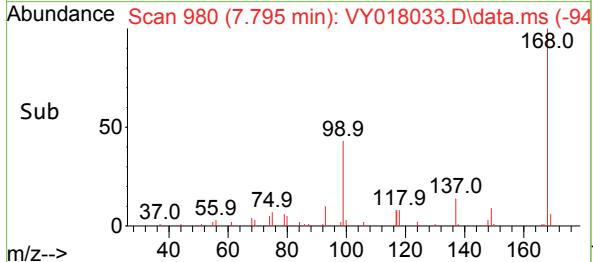
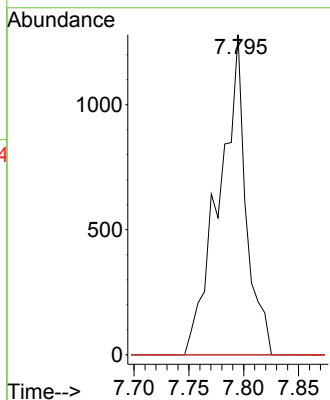


#38  
Carbon Tetrachloride  
Concen: 8.142 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY018033.D  
Acq: 24 Apr 2024 12:27

Instrument :  
MSVOA\_Y  
ClientSampleId :

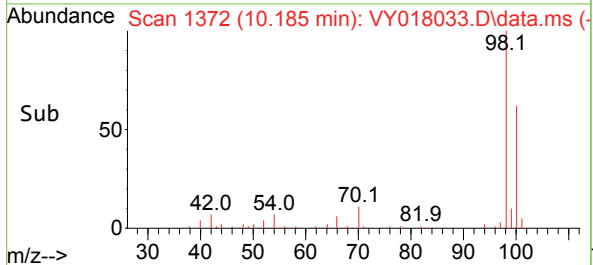
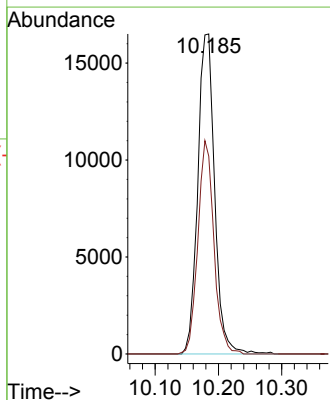
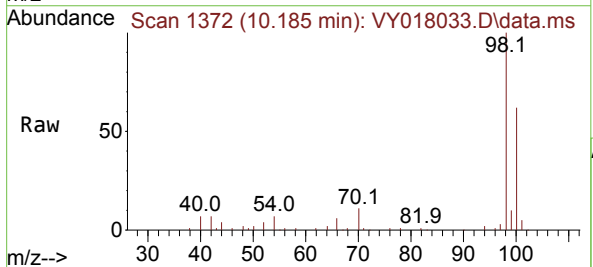


Tgt Ion:117 Resp: 2195  
Ion Ratio Lower Upper  
117 100  
119 0.0 75.8 113.6#  
121 0.0 24.0 36.0#

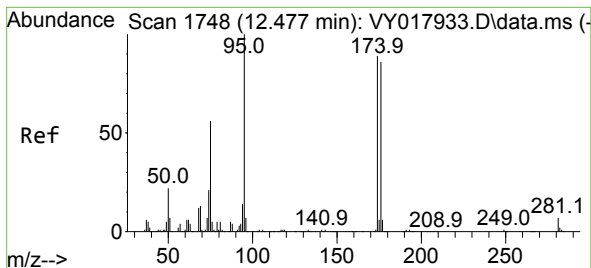


#50  
Toluene-d8  
Concen: 44.130 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.006 min  
Lab File: VY018033.D  
Acq: 24 Apr 2024 12:27

Tgt Ion: 98 Resp: 30727  
Ion Ratio Lower Upper  
98 100  
100 63.3 52.0 78.0



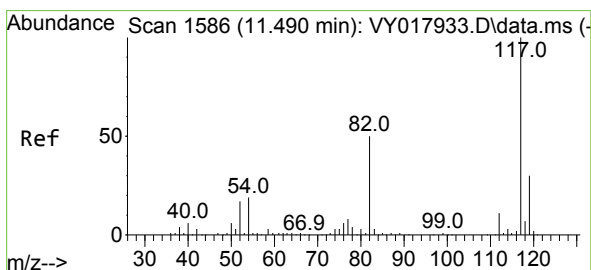
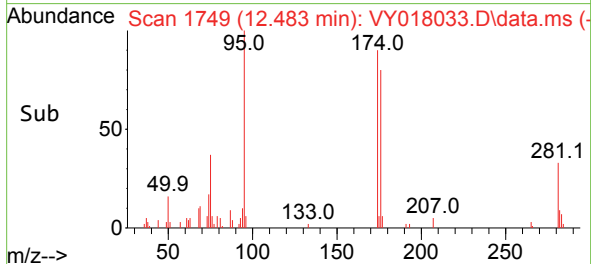
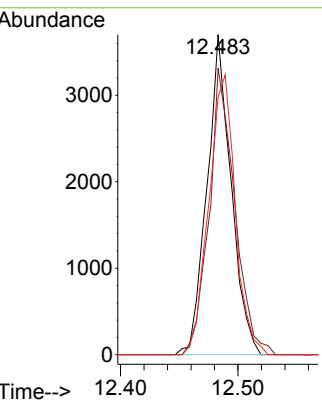
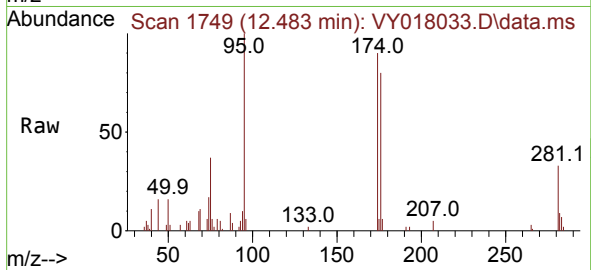




#62  
4-Bromofluorobenzene  
Concen: 24.504 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY018033.D  
Acq: 24 Apr 2024 12:27

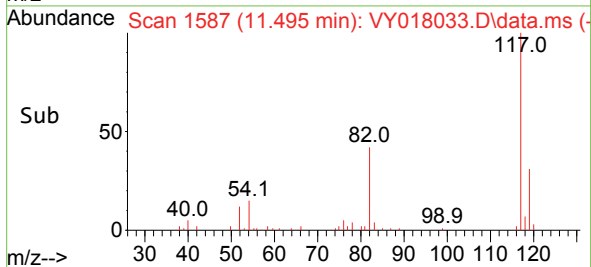
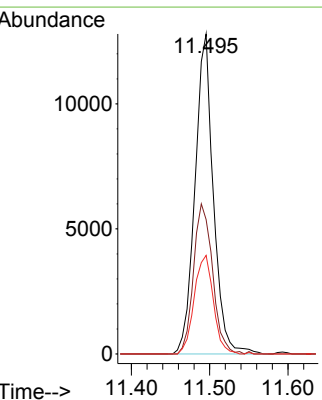
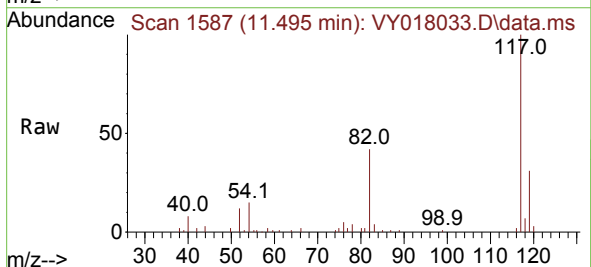
Instrument :  
MSVOA\_Y  
ClientSampleId :

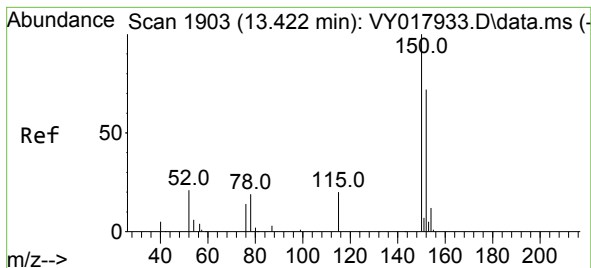
Tgt Ion: 95 Resp: 5284  
Ion Ratio Lower Upper  
95 100  
174 95.2 0.0 175.6  
176 95.7 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.495 min Scan# 1587  
Delta R.T. 0.006 min  
Lab File: VY018033.D  
Acq: 24 Apr 2024 12:27

Tgt Ion: 117 Resp: 20820  
Ion Ratio Lower Upper  
117 100  
82 42.0 42.4 63.6#  
119 30.8 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. -0.000 min

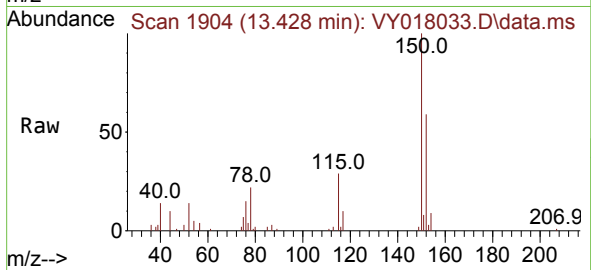
Lab File: VY018033.D

Acq: 24 Apr 2024 12:27

Instrument :

MSVOA\_Y

ClientSampleId :



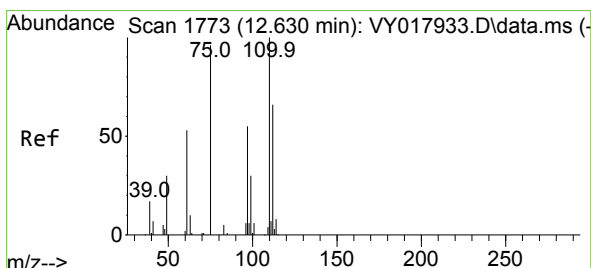
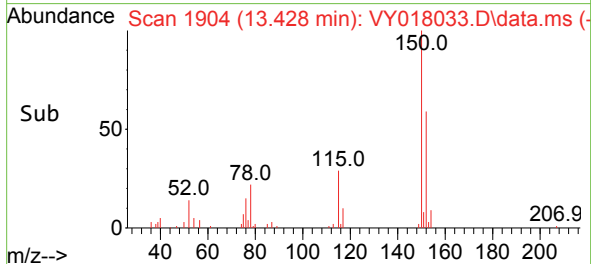
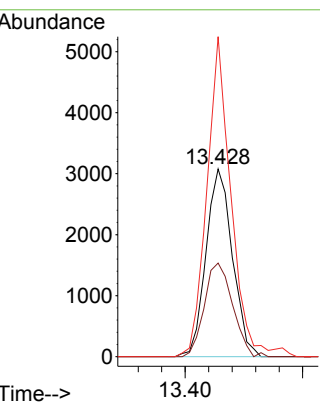
Tgt Ion:152 Resp: 4802

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
|-----|-------|-------|-------|

|     |     |  |  |
|-----|-----|--|--|
| 152 | 100 |  |  |
|-----|-----|--|--|

|     |      |      |      |
|-----|------|------|------|
| 115 | 53.4 | 28.2 | 84.7 |
|-----|------|------|------|

|     |       |     |       |
|-----|-------|-----|-------|
| 150 | 156.2 | 0.0 | 345.6 |
|-----|-------|-----|-------|



#76

1,2,3-Trichloropropane

Concen: 54.171 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY018033.D

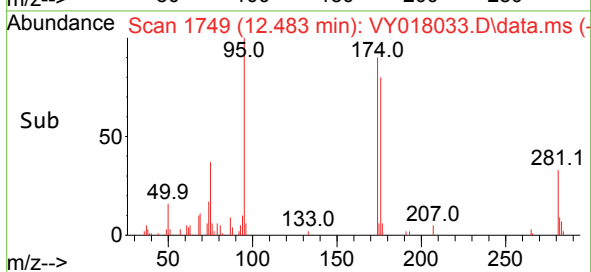
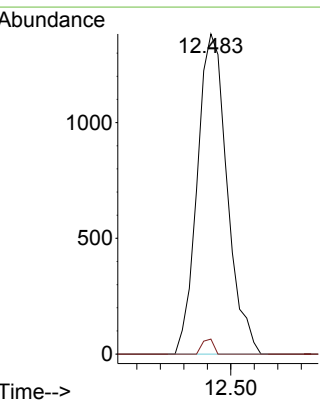
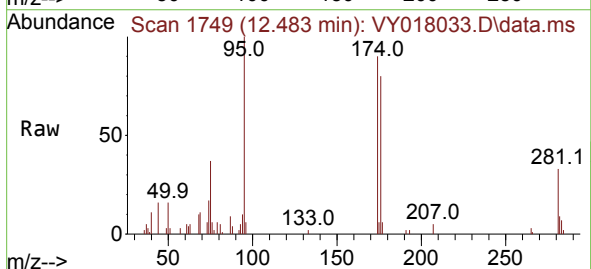
Acq: 24 Apr 2024 12:27

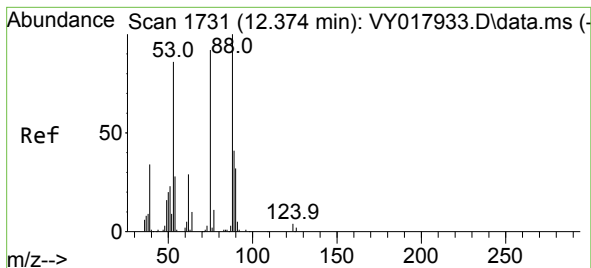
Tgt Ion: 75 Resp: 2441

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
|-----|-------|-------|-------|

|    |     |  |  |
|----|-----|--|--|
| 75 | 100 |  |  |
|----|-----|--|--|

|    |     |     |      |
|----|-----|-----|------|
| 77 | 1.8 | 0.0 | 0.0# |
|----|-----|-----|------|

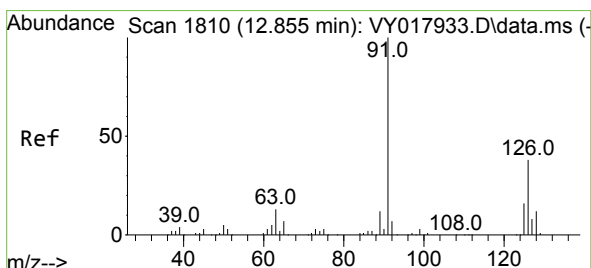
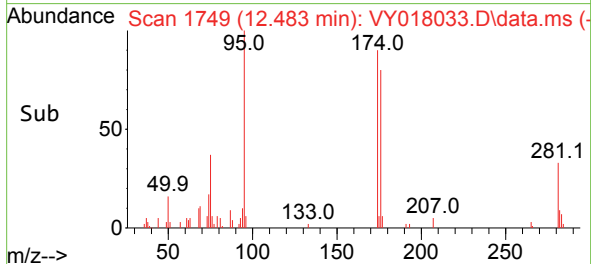
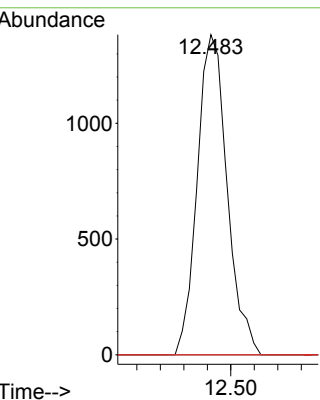
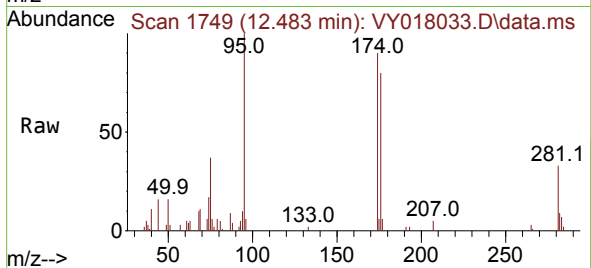




#81  
trans-1,4-Dichloro-2-butene  
Concen: 111.690 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY018033.D  
Acq: 24 Apr 2024 12:27

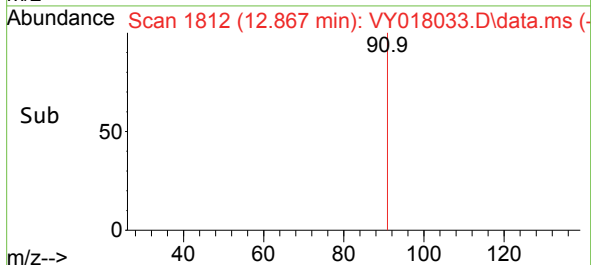
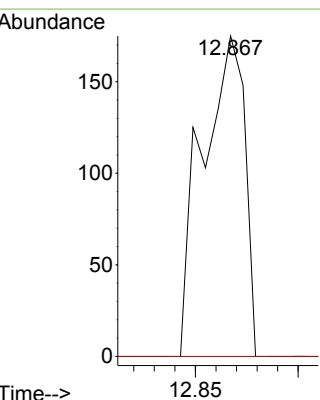
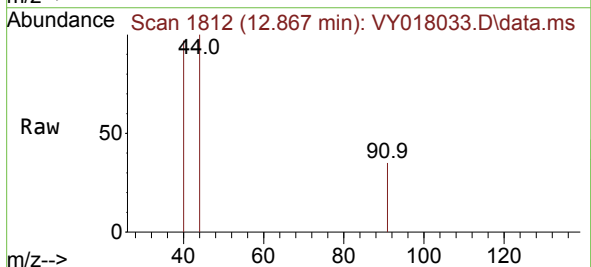
Instrument :  
MSVOA\_Y  
ClientSampleId :

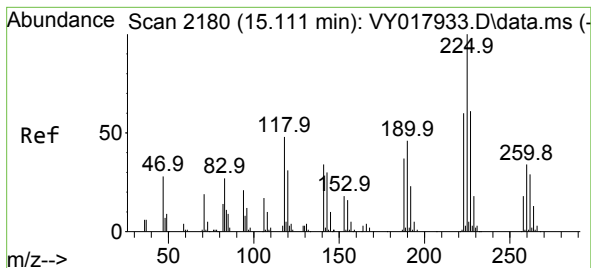
Tgt Ion: 75 Resp: 2441  
Ion Ratio Lower Upper  
75 100  
53 0.0 66.8 100.2#  
89 0.0 35.8 53.6#



#82  
4-Chlorotoluene  
Concen: 1.020 ug/l  
RT: 12.867 min Scan# 1812  
Delta R.T. 0.012 min  
Lab File: VY018033.D  
Acq: 24 Apr 2024 12:27

Tgt Ion: 91 Resp: 251  
Ion Ratio Lower Upper  
91 100  
126 0.0 17.6 52.9#





#94

Hexachlorobutadiene

Concen: 1.398 ug/l

RT: 15.117 min Scan# 2180

Delta R.T. 0.006 min

Lab File: VY018033.D

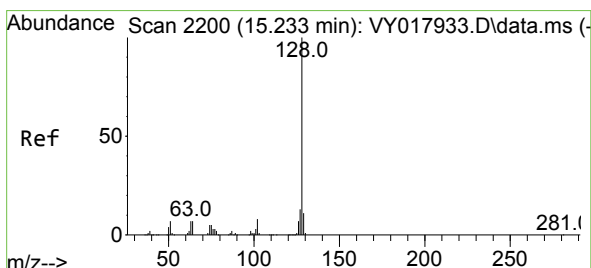
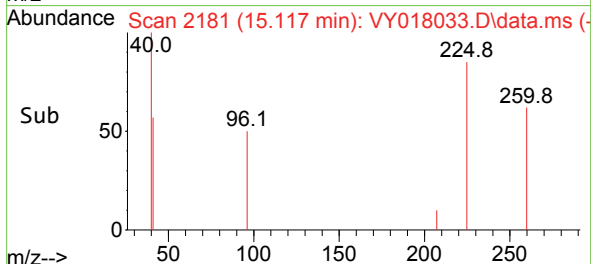
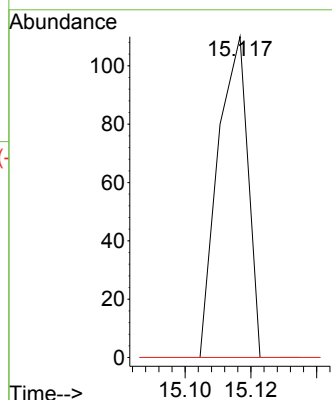
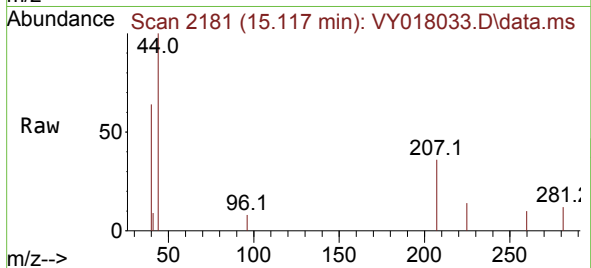
Acq: 24 Apr 2024 12:27

Instrument :

MSVOA\_Y

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:225 | Resp: | 70         |
| Ion Ratio   | Lower | Upper      |
| 225         | 100   |            |
| 223         | 0.0   | 30.4 91.2# |
| 227         | 0.0   | 31.9 95.9# |



#95

Naphthalene

Concen: 2.106 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY018033.D

Acq: 24 Apr 2024 12:27

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:128 | Resp: | 293        |
| Ion Ratio   | Lower | Upper      |
| 128         | 100   |            |
| 127         | 0.0   | 10.6 16.0# |
| 129         | 0.0   | 8.6 13.0#  |

