

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020224\  
 Data File : VY017187.D  
 Acq On : 02 Feb 2024 16:24  
 Operator : SY/MD  
 Sample : P1343-11  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 BP-VPB-195-GW-660-662

Quant Time: Feb 02 22:31:58 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020124S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 02 00:56:04 2024  
 Response via : Initial Calibration

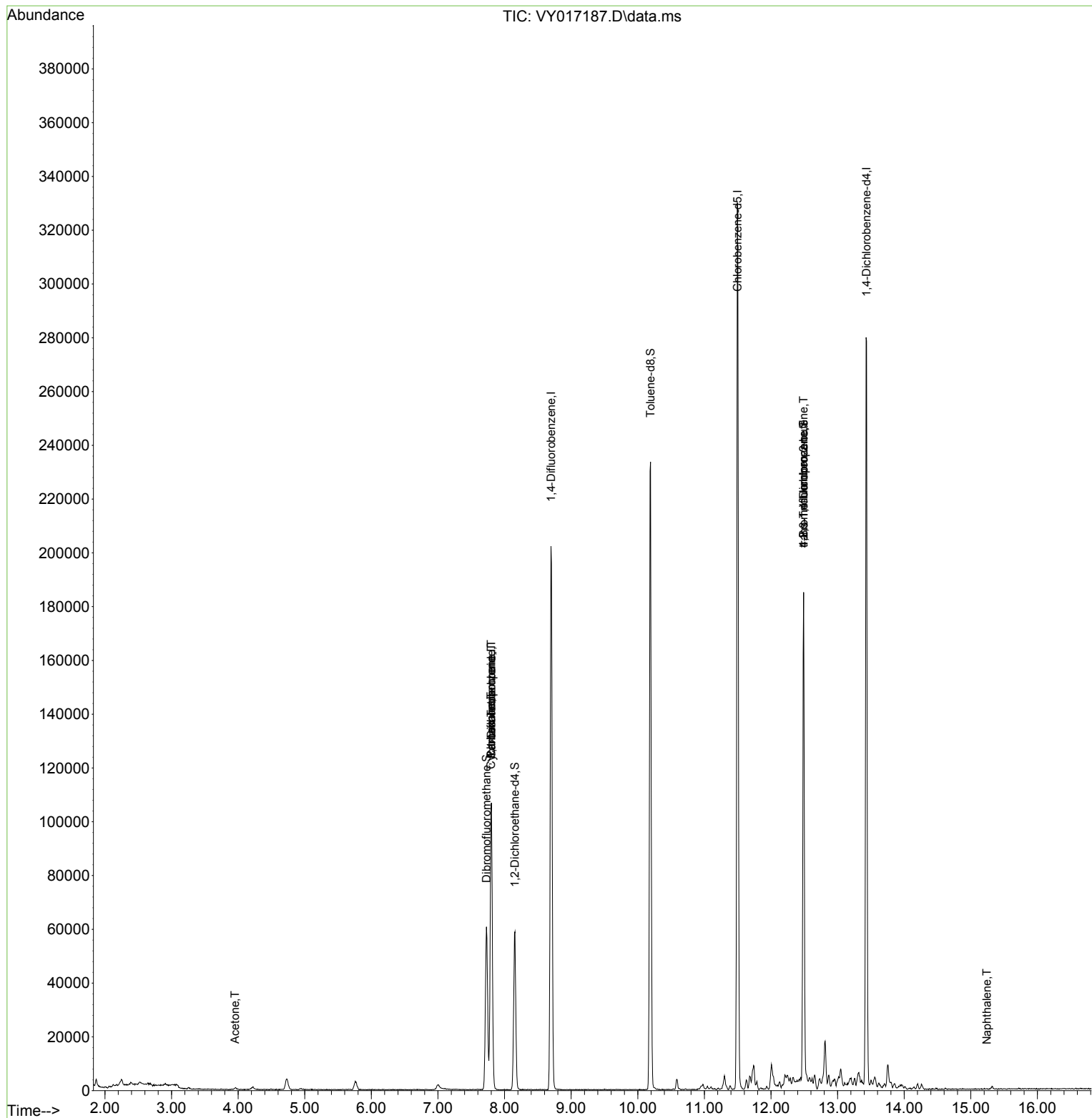
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.801          | 168  | 81828               | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697          | 114  | 176882              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.496         | 117  | 178370              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.434         | 152  | 69543               | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.155          | 65   | 43991               | 60.179    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 120.360% |           |        |          |
| 35) Dibromofluoromethane      | 7.728          | 113  | 43772               | 45.832    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 91.660%  |           |        |          |
| 50) Toluene-d8                | 10.191         | 98   | 155329              | 44.670    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = 89.340%  |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.489         | 95   | 54332               | 47.698    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 30 - 143 |      | Recovery = 95.400%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
| 11) Tert butyl alcohol        | 4.954          | 59   | 301                 | Below Cal | #      | 75       |
| 16) Acetone                   | 3.954          | 43   | 1039                | 4.836     | ug/l # | 70       |
| 20) Methylene Chloride        | 4.729          | 84   | 3007                | Below Cal |        | 85       |
| 31) Cyclohexane               | 7.795          | 56   | 1830                | 1.242     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.801          | 75   | 7142                | 4.335     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.801          | 117  | 8163                | 5.175     | ug/l # | 17       |
| 76) 1,2,3-Trichloropropane    | 12.489         | 75   | 28463               | 44.344    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.489         | 75   | 28463               | 92.140    | ug/l # | 13       |
| 95) Naphthalene               | 15.239         | 128  | 168                 | 3.508     | ug/l # | 69       |
| -----                         |                |      |                     |           |        |          |

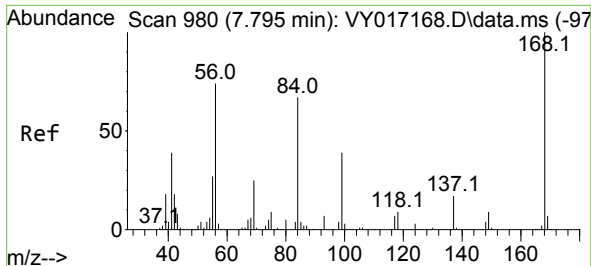
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
BP-VPB-195-GW-660-662

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020124S.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 02 00:56:04 2024  
Response via : Initial Calibration

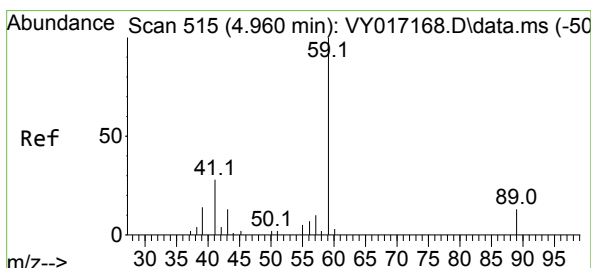
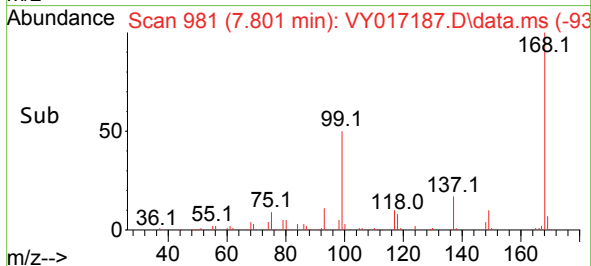
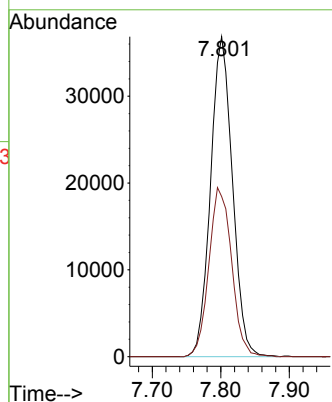
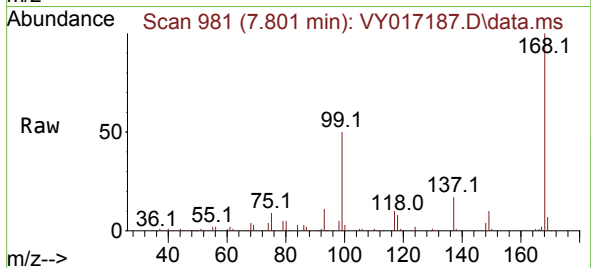




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 99  
Delta R.T. 0.006 min  
Lab File: VY017187.D  
Acq: 02 Feb 2024 16:24

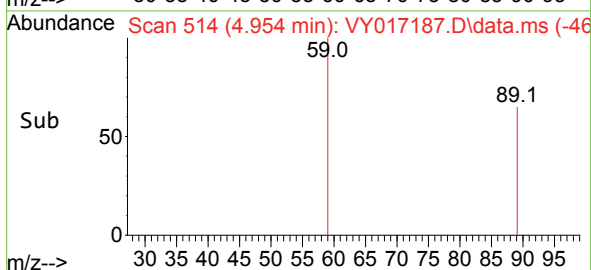
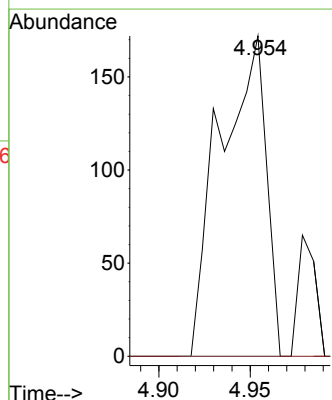
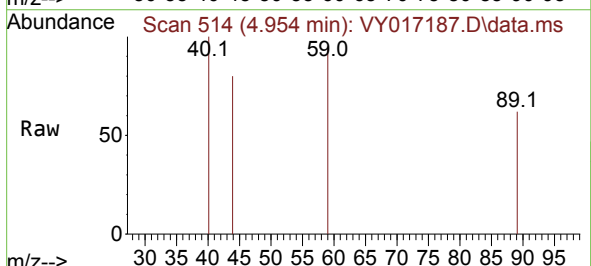
Instrument :  
MSVOA\_Y  
ClientSampleId :  
BP-VPB-195-GW-660-662

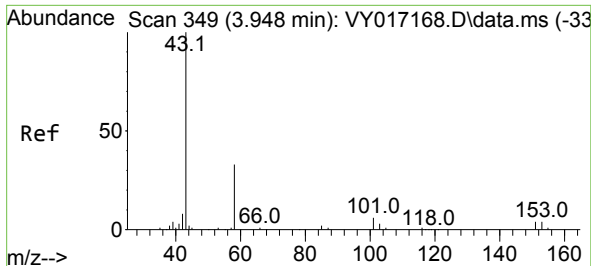
Tgt Ion:168 Resp: 81828  
Ion Ratio Lower Upper  
168 100  
99 50.0 44.2 66.4



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.954 min Scan# 514  
Delta R.T. -0.006 min  
Lab File: VY017187.D  
Acq: 02 Feb 2024 16:24

Tgt Ion: 59 Resp: 301  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.0#

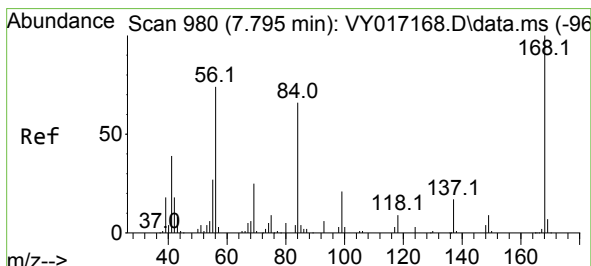
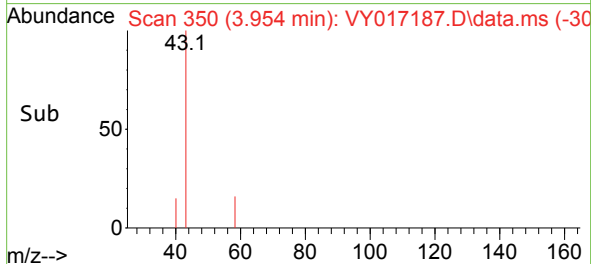
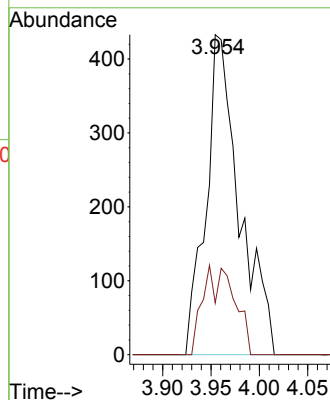
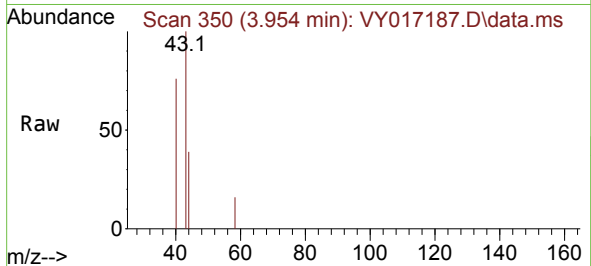




#16  
Acetone  
Concen: 4.836 ug/l  
RT: 3.954 min Scan# 31  
Delta R.T. 0.007 min  
Lab File: VY017187.D  
Acq: 02 Feb 2024 16:24

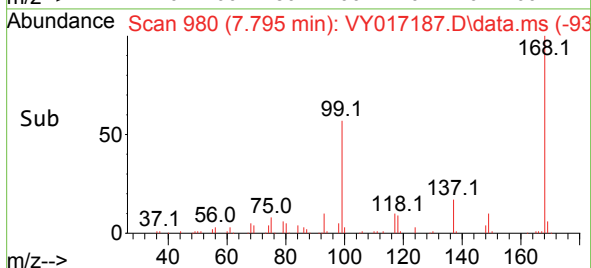
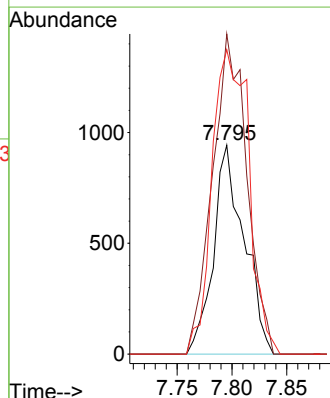
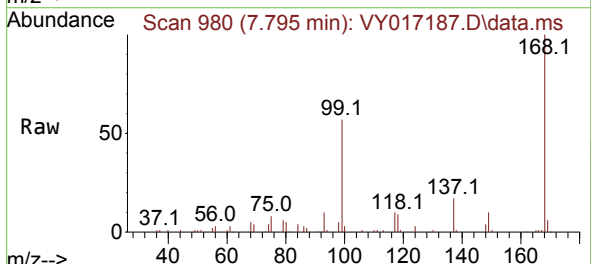
Instrument :  
MSVOA\_Y  
ClientSampleId :  
BP-VPB-195-GW-660-662

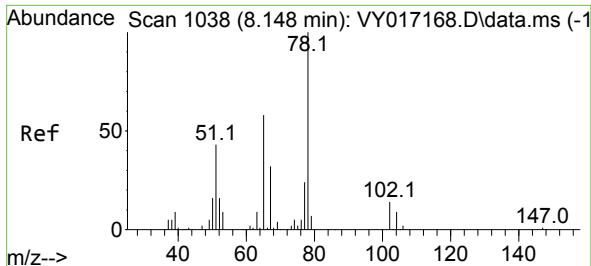
Tgt Ion: 43 Resp: 1039  
Ion Ratio Lower Upper  
43 100  
58 16.2 26.6 39.8#



#31  
Cyclohexane  
Concen: 1.242 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.000 min  
Lab File: VY017187.D  
Acq: 02 Feb 2024 16:24

Tgt Ion: 56 Resp: 1830  
Ion Ratio Lower Upper  
56 100  
69 153.2 27.0 40.6#  
84 145.7 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 60.179 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. 0.007 min

Lab File: VY017187.D

Acq: 02 Feb 2024 16:24

Instrument :

MSVOA\_Y

ClientSampleId :

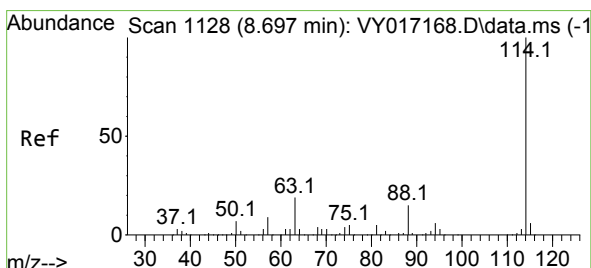
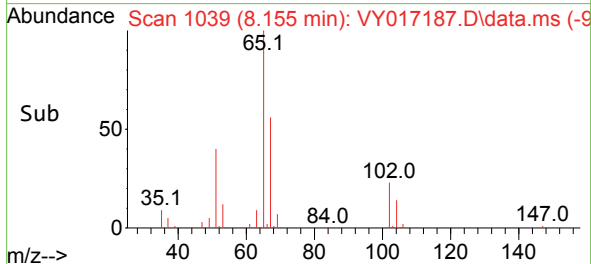
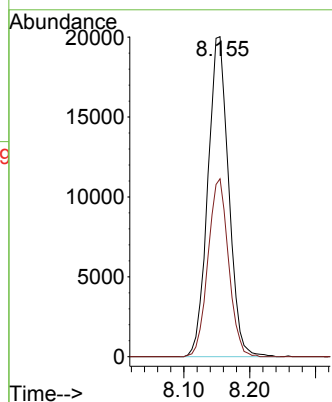
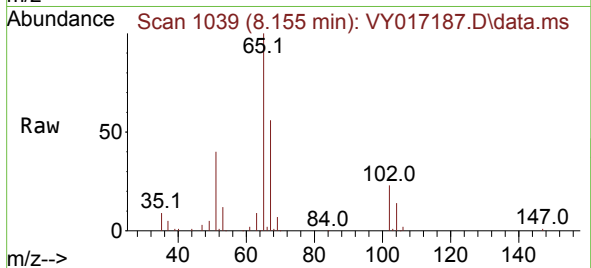
BP-VPB-195-GW-660-662

Tgt Ion: 65 Resp: 43991

Ion Ratio Lower Upper

65 100

67 55.0 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY017187.D

Acq: 02 Feb 2024 16:24

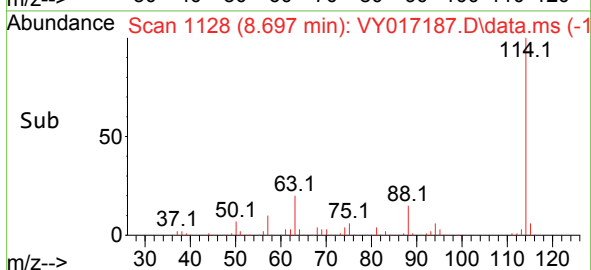
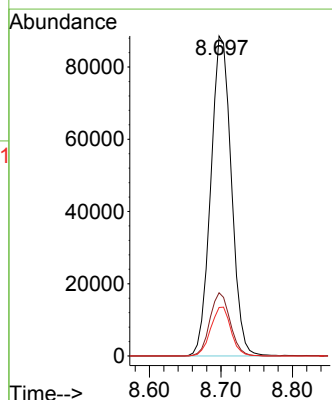
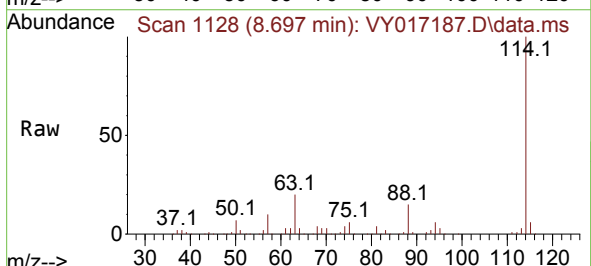
Tgt Ion: 114 Resp: 176882

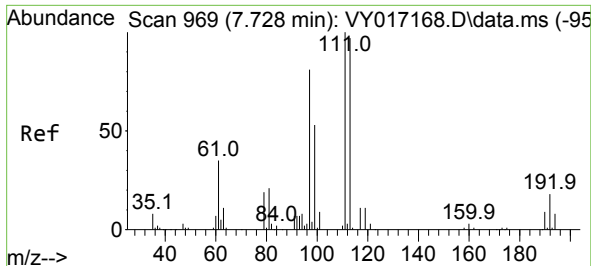
Ion Ratio Lower Upper

114 100

63 19.8 0.0 37.4

88 15.2 0.0 29.0

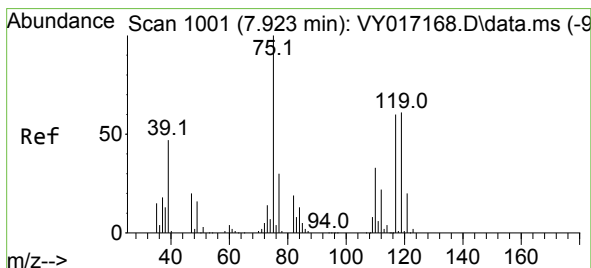
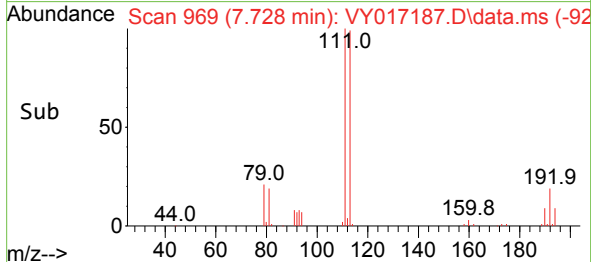
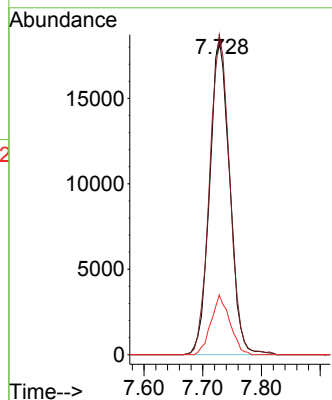
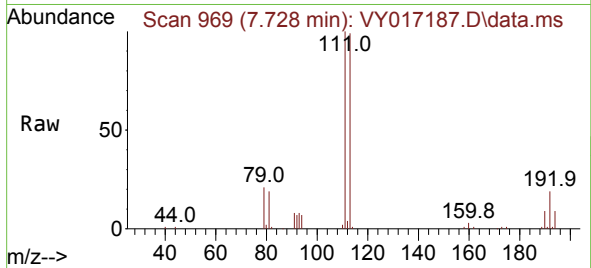




#35  
Dibromofluoromethane  
Concen: 45.832 ug/l  
RT: 7.728 min Scan# 901  
Delta R.T. 0.000 min  
Lab File: VY017187.D  
Acq: 02 Feb 2024 16:24

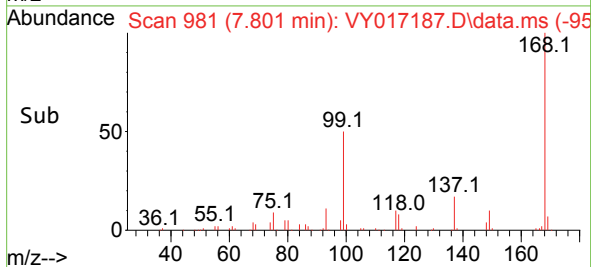
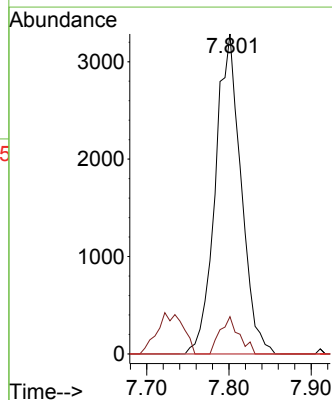
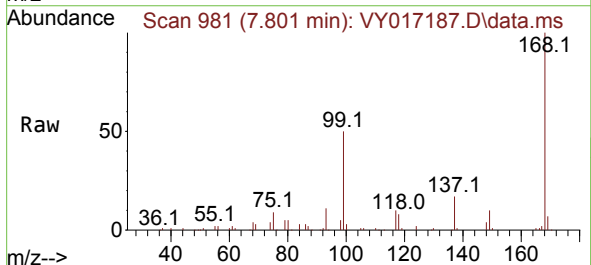
Instrument :  
MSVOA\_Y  
ClientSampleId :  
BP-VPB-195-GW-660-662

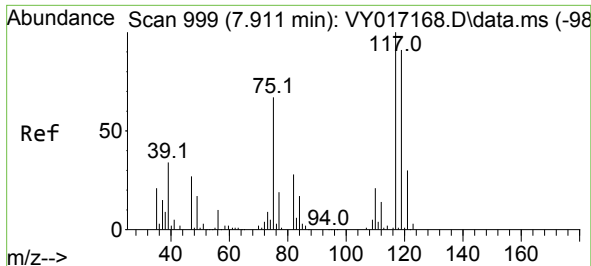
Tgt Ion:113 Resp: 43772  
Ion Ratio Lower Upper  
113 100  
111 102.2 83.8 125.6  
192 17.8 14.5 21.7



#36  
1,1-Dichloropropene  
Concen: 4.335 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.121 min  
Lab File: VY017187.D  
Acq: 02 Feb 2024 16:24

Tgt Ion: 75 Resp: 7142  
Ion Ratio Lower Upper  
75 100  
110 8.6 17.4 52.3#  
77 0.0 24.7 37.1#

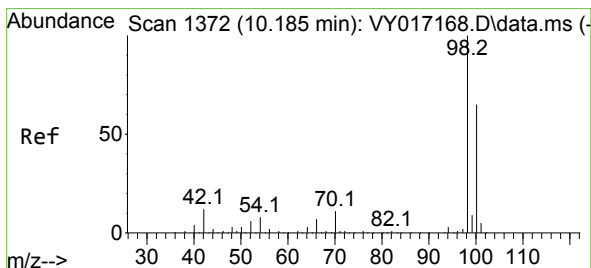
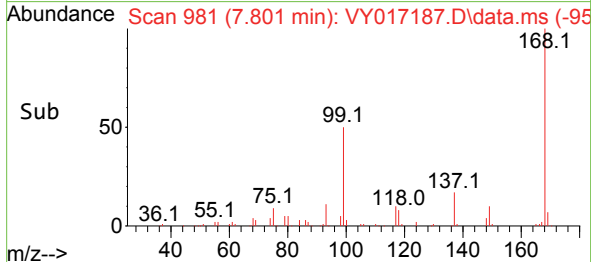
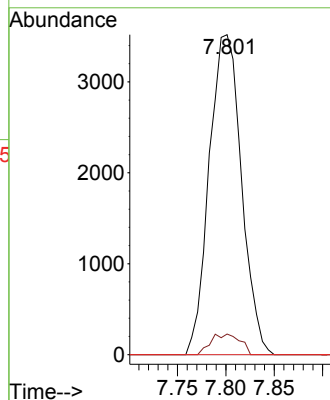
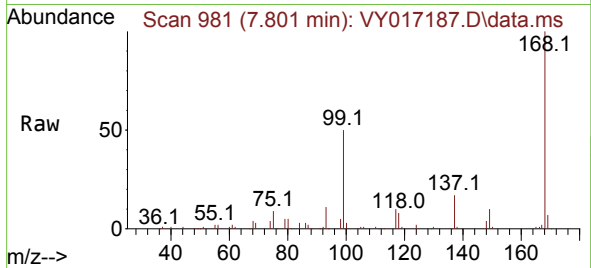




#38  
Carbon Tetrachloride  
Concen: 5.175 ug/l  
RT: 7.801 min Scan# 91  
Delta R.T. -0.109 min  
Lab File: VY017187.D  
Acq: 02 Feb 2024 16:24

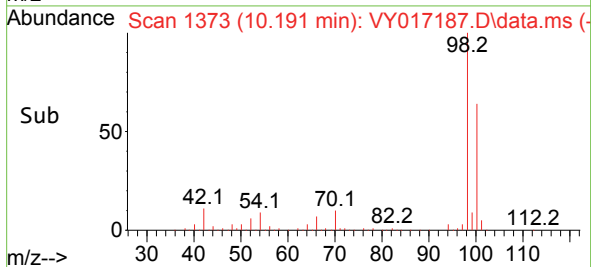
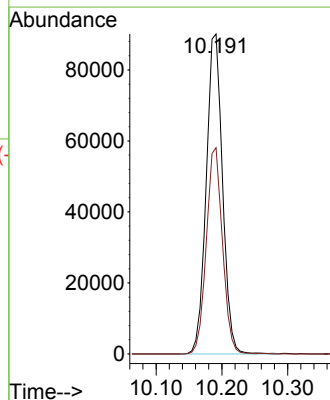
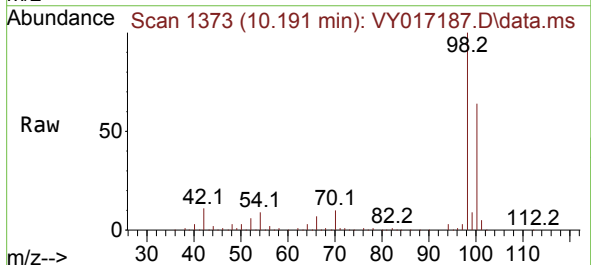
Instrument :  
MSVOA\_Y  
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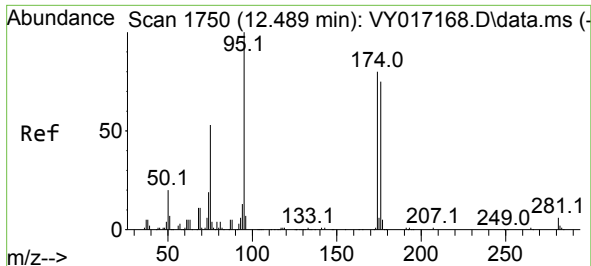
Tgt Ion:117 Resp: 8163  
Ion Ratio Lower Upper  
117 100  
119 6.5 76.0 114.0#  
121 0.0 24.2 36.2#



#50  
Toluene-d8  
Concen: 44.670 ug/l  
RT: 10.191 min Scan# 1373  
Delta R.T. 0.007 min  
Lab File: VY017187.D  
Acq: 02 Feb 2024 16:24

Tgt Ion: 98 Resp: 155329  
Ion Ratio Lower Upper  
98 100  
100 63.8 52.3 78.5

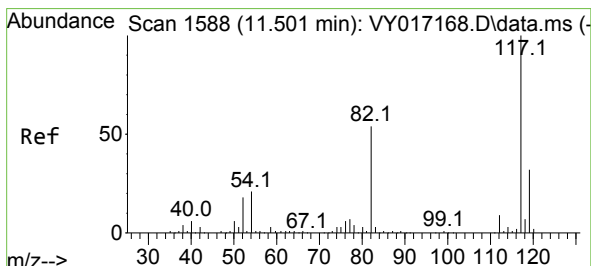
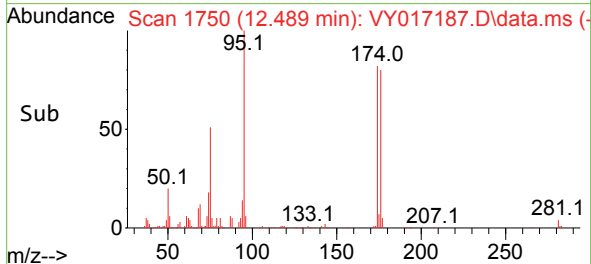
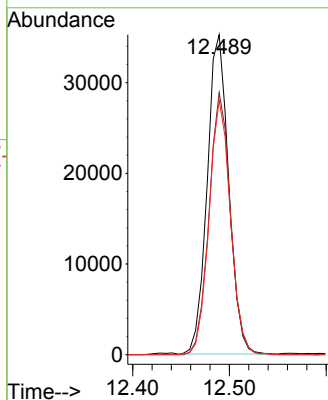
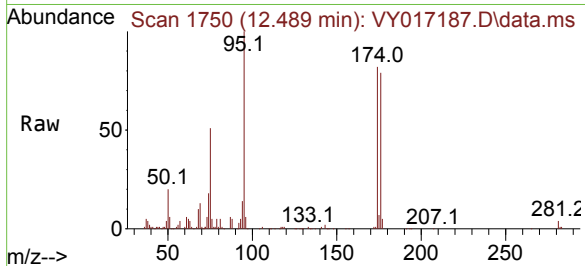




#62  
4-Bromofluorobenzene  
Concen: 47.698 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.000 min  
Lab File: VY017187.D  
Acq: 02 Feb 2024 16:24

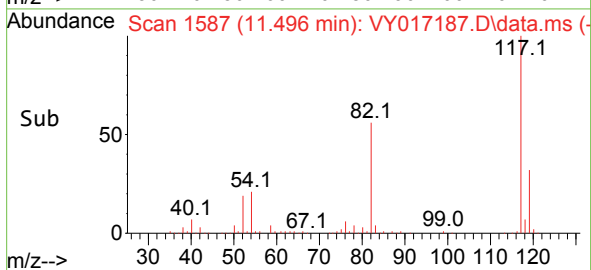
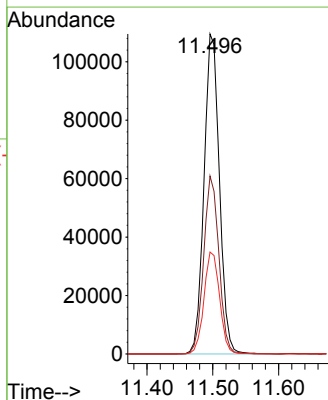
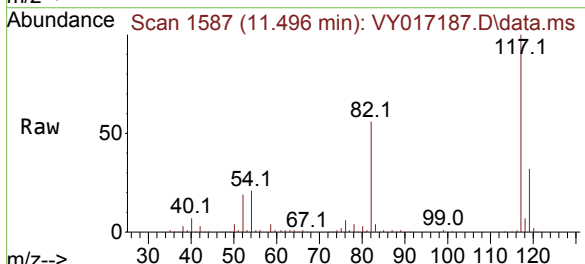
Instrument :  
MSVOA\_Y  
ClientSampleId :  
BP-VPB-195-GW-660-662

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 54332 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 81.9  | 0.0   | 160.0 |
| 176      | 79.3  | 0.0   | 151.8 |

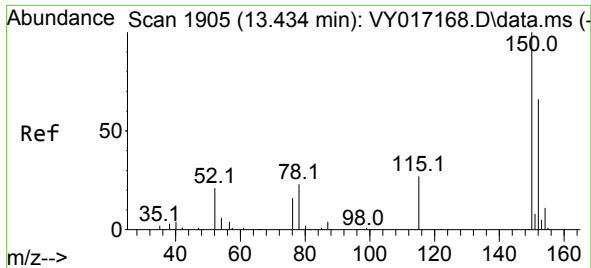


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.006 min  
Lab File: VY017187.D  
Acq: 02 Feb 2024 16:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 178370 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 55.6  | 43.8  | 65.8   |
| 119      | 31.9  | 26.5  | 39.7   |



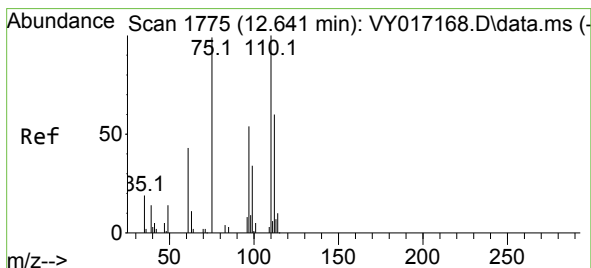
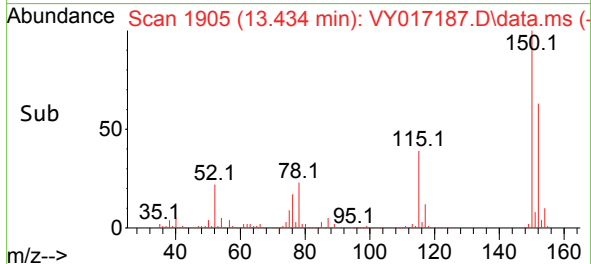
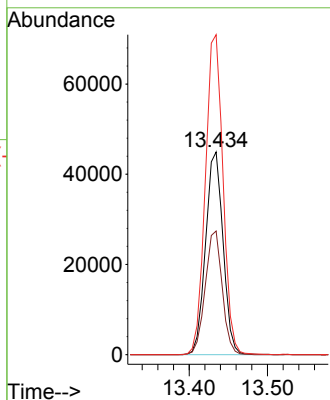
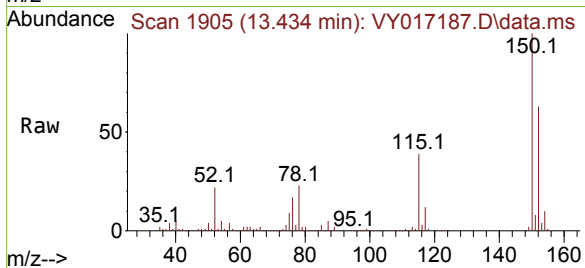




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.434 min Scan# 1905  
 Delta R.T. 0.000 min  
 Lab File: VY017187.D  
 Acq: 02 Feb 2024 16:24

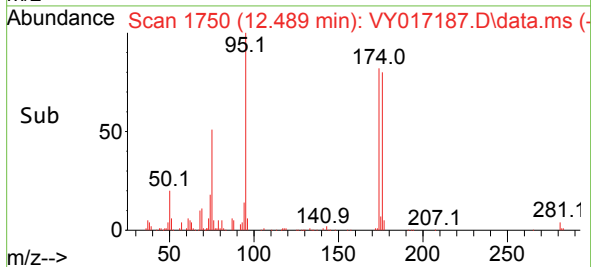
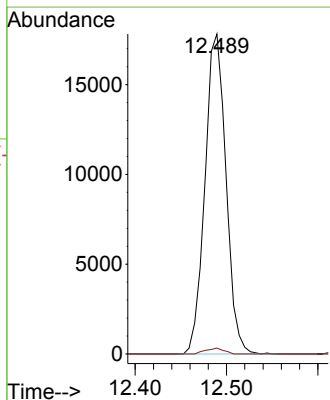
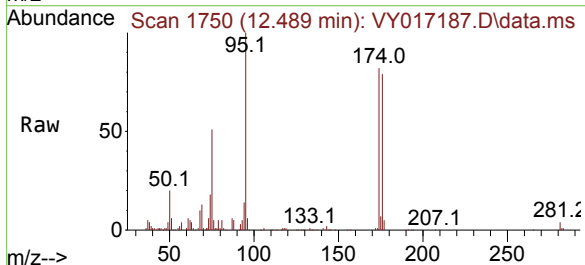
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 BP-VPB-195-GW-660-662

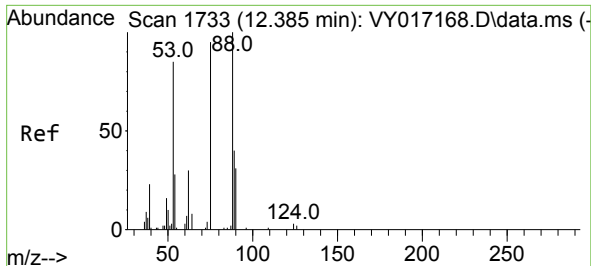
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 152 100  
 115 59.5 30.0 90.0  
 150 159.1 0.0 344.6



#76  
 1,2,3-Trichloropropane  
 Concen: 44.344 ug/l  
 RT: 12.489 min Scan# 1750  
 Delta R.T. -0.152 min  
 Lab File: VY017187.D  
 Acq: 02 Feb 2024 16:24

Tgt Ion: 75 Resp: 28463  
 Ion Ratio Lower Upper  
 75 100  
 77 1.6 0.0 0.0#

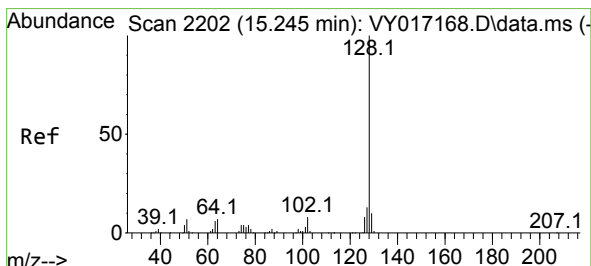
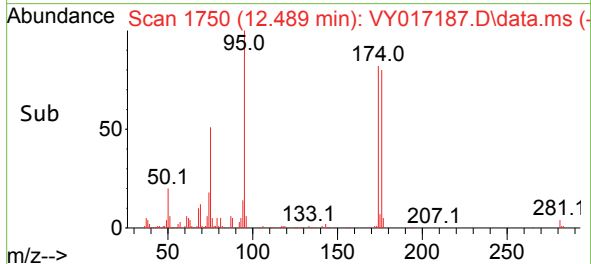
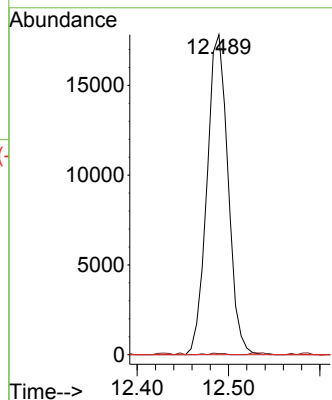
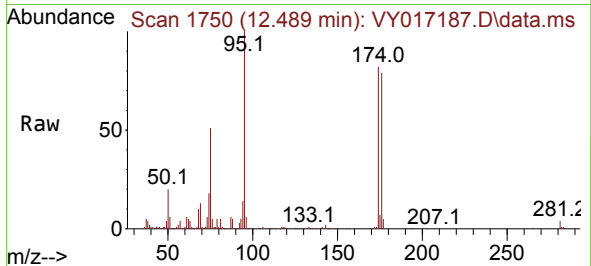




#81  
trans-1,4-Dichloro-2-butene  
Concen: 92.140 ug/l  
RT: 12.489 min Scan# 11  
Delta R.T. 0.104 min  
Lab File: VY017187.D  
Acq: 02 Feb 2024 16:24

Instrument :  
MSVOA\_Y  
ClientSampleId :  
BP-VPB-195-GW-660-662

Tgt Ion: 75 Resp: 28463  
Ion Ratio Lower Upper  
75 100  
53 0.3 74.0 111.0#  
89 0.0 36.5 54.7#



#95  
Naphthalene  
Concen: 3.508 ug/l  
RT: 15.239 min Scan# 2201  
Delta R.T. -0.006 min  
Lab File: VY017187.D  
Acq: 02 Feb 2024 16:24

Tgt Ion: 128 Resp: 168  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.2 15.4#  
129 0.0 8.6 12.8#

