

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082223\  
 Data File : VY015268.D  
 Acq On : 23 Aug 2023 01:02  
 Operator : SY/MD  
 Sample : 04110-08  
 Misc : 4.26g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 DUP-1(X-X)

Quant Time: Aug 23 04:58:50 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081423S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 14 12:43:26 2023  
 Response via : Initial Calibration

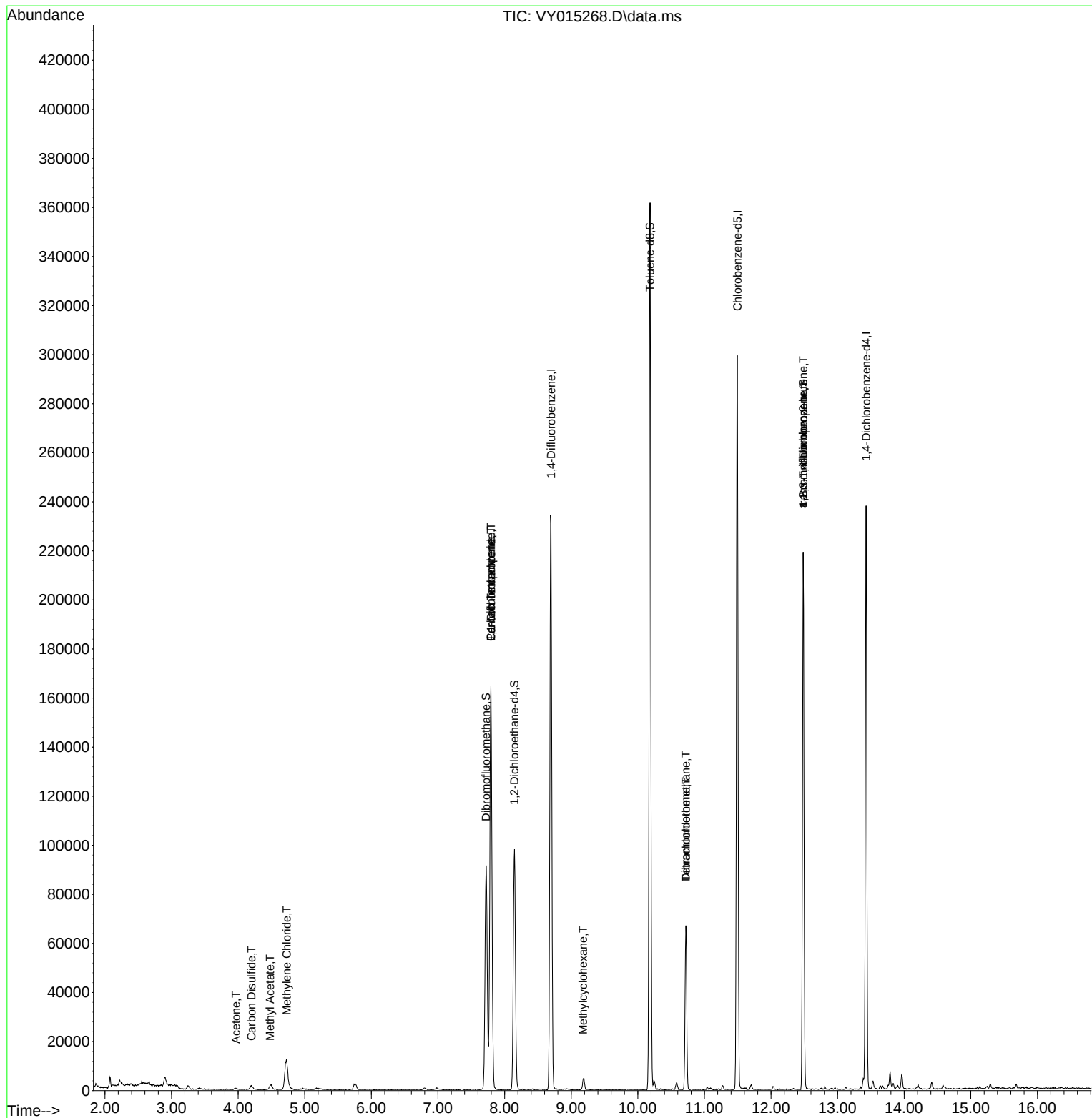
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.795  | 168   | 125692   | 50.000    | ug/l       | 0.01     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 203484   | 50.000    | ug/l       | 0.01     |
| 63) Chlorobenzene-d5          | 11.496 | 117   | 166173   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 59290    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.149  | 65    | 77859    | 51.603    | ug/l       | 0.01     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 103.200% |          |
| 35) Dibromofluoromethane      | 7.722  | 113   | 64366    | 49.169    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 98.340%  |          |
| 50) Toluene-d8                | 10.185 | 98    | 234922   | 48.207    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 96.420%  |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 62684    | 35.218    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 70.440%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 3) Chloromethane              | 2.113  | 50    | 159      | Below Cal |            | 99       |
| 5) Bromomethane               | 2.656  | 94    | 329      | Below Cal | #          | 73       |
| 11) Tert butyl alcohol        | 4.972  | 59    | 817      | Below Cal | #          | 89       |
| 16) Acetone                   | 3.966  | 43    | 1121     | 2.274     | ug/l       | 95       |
| 17) Carbon Disulfide          | 4.198  | 76    | 3502     | 2.275     | ug/l       | 100      |
| 18) Methyl Acetate            | 4.479  | 43    | 3981     | 2.204     | ug/l       | # 82     |
| 20) Methylene Chloride        | 4.728  | 84    | 9146     | 3.742     | ug/l       | # 89     |
| 36) 1,1-Dichloropropene       | 7.795  | 75    | 9576     | 6.612     | ug/l       | # 51     |
| 38) Carbon Tetrachloride      | 7.795  | 117   | 11999    | 7.001     | ug/l       | # 17     |
| 39) Methylcyclohexane         | 9.179  | 83    | 1970     | 1.213     | ug/l       | # 88     |
| 60) Dibromochloromethane      | 10.721 | 129   | 11076    | 7.842     | ug/l       | # 11     |
| 64) Tetrachloroethene         | 10.721 | 164   | 14632    | 12.639    | ug/l       | 93       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 34438    | 47.809    | ug/l       | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 34438    | 105.011   | ug/l       | # 11     |
| -----                         |        |       |          |           |            |          |

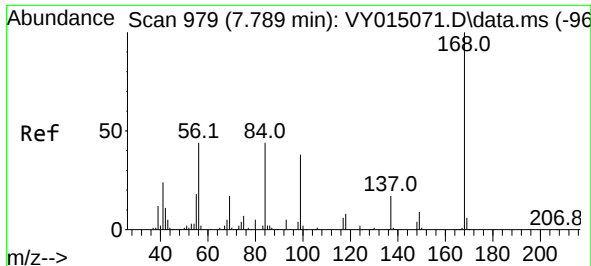
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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DUP-1(X-X)

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Response via : Initial Calibration

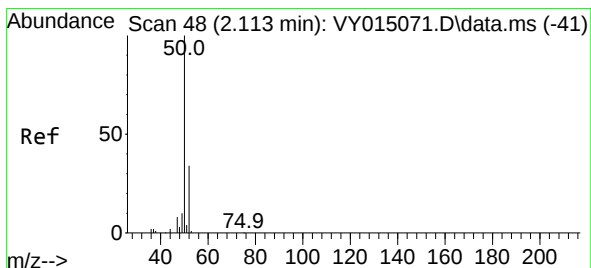
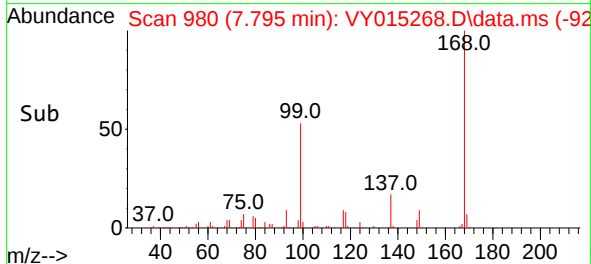
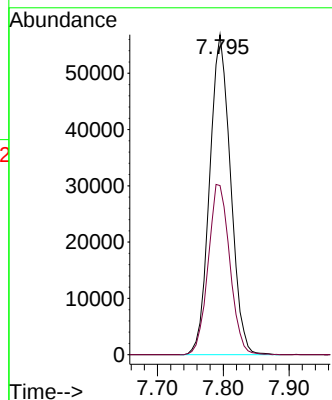
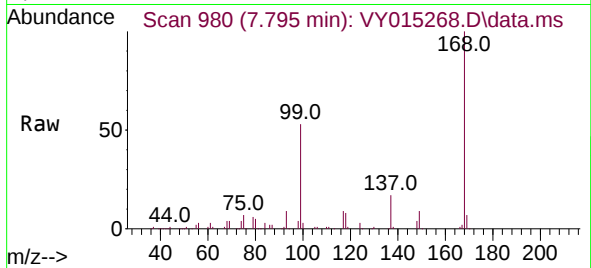




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY015268.D  
Acq: 23 Aug 2023 01:02

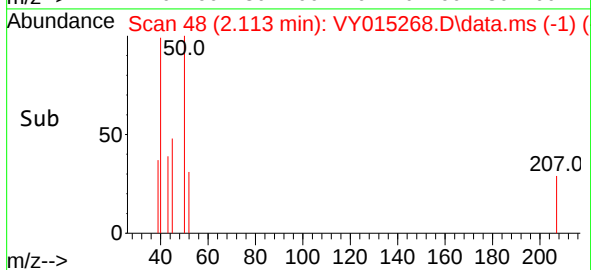
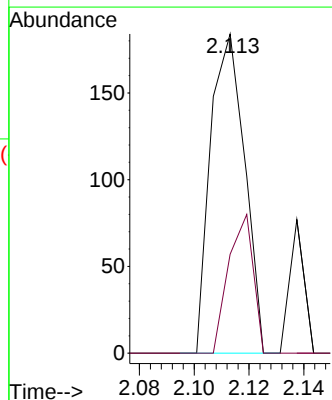
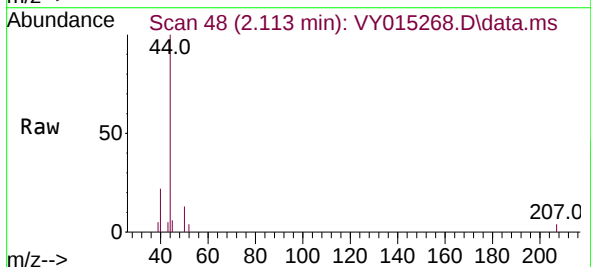
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DUP-1(X-X)

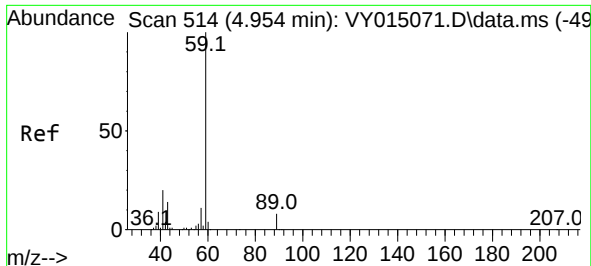
Tgt Ion:168 Resp: 125692  
Ion Ratio Lower Upper  
168 100  
99 52.8 43.4 65.0



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.113 min Scan# 48  
Delta R.T. 0.006 min  
Lab File: VY015268.D  
Acq: 23 Aug 2023 01:02

Tgt Ion: 50 Resp: 159  
Ion Ratio Lower Upper  
50 100  
52 31.0 25.4 38.2

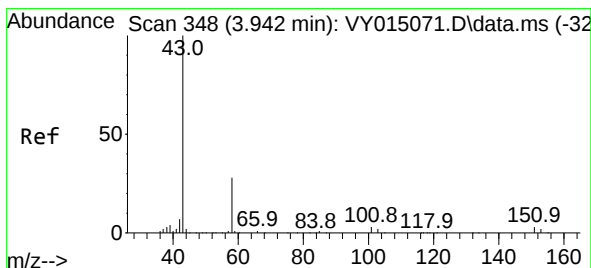
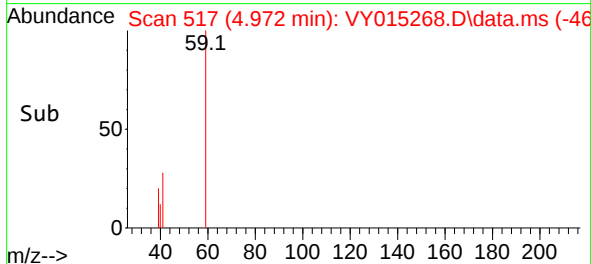
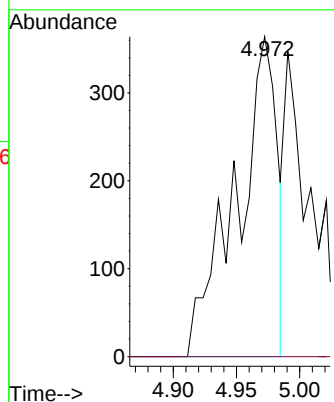
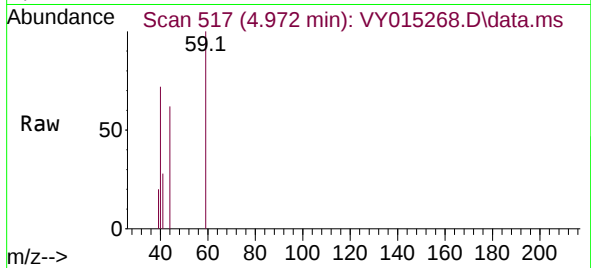




#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.972 min Scan# 514  
Delta R.T. 0.024 min  
Lab File: VY015268.D  
Acq: 23 Aug 2023 01:02

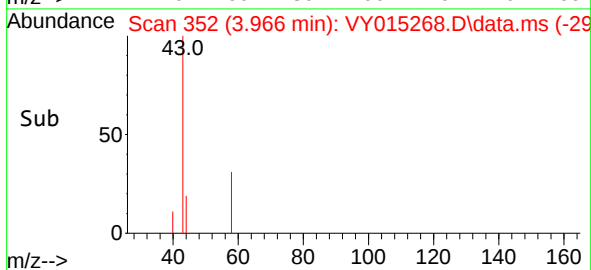
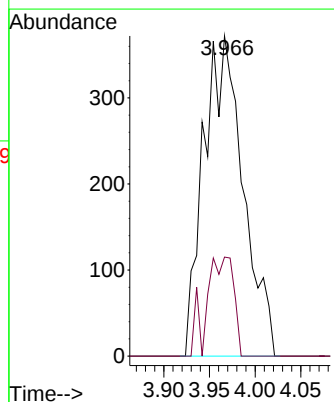
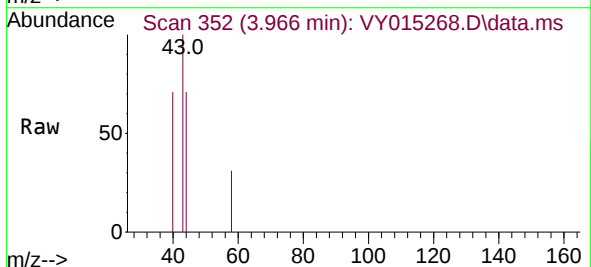
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DUP-1(X-X)

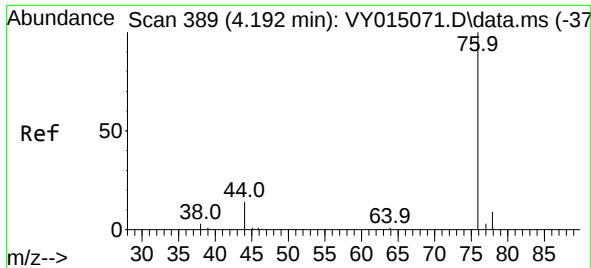
Tgt Ion: 59 Resp: 817  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.4#



#16  
Acetone  
Concen: 2.274 ug/l  
RT: 3.966 min Scan# 352  
Delta R.T. 0.024 min  
Lab File: VY015268.D  
Acq: 23 Aug 2023 01:02

Tgt Ion: 43 Resp: 1121  
Ion Ratio Lower Upper  
43 100  
58 30.9 22.7 34.1

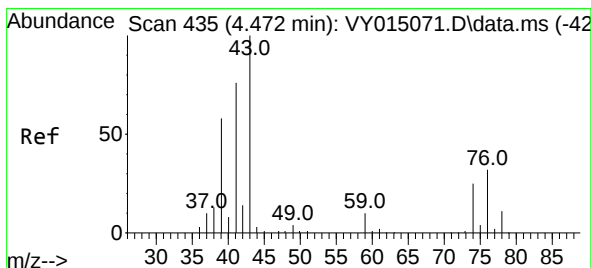
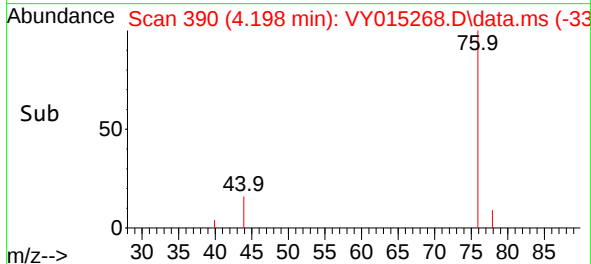
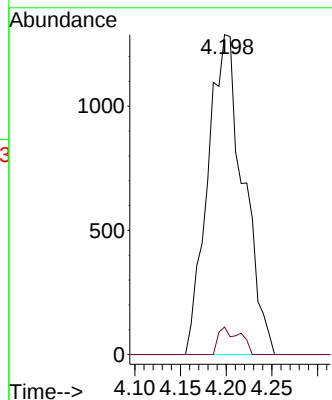
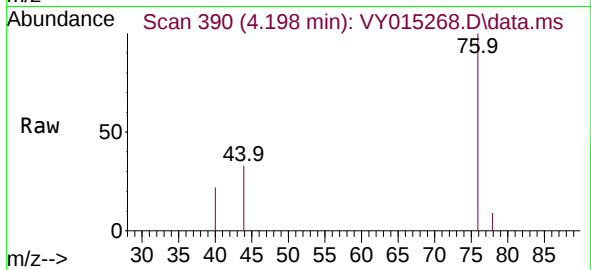




#17  
Carbon Disulfide  
Concen: 2.275 ug/l  
RT: 4.198 min Scan# 389  
Delta R.T. 0.012 min  
Lab File: VY015268.D  
Acq: 23 Aug 2023 01:02

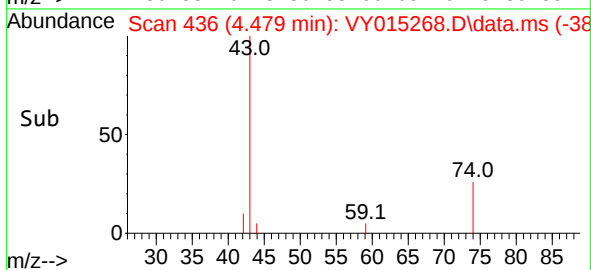
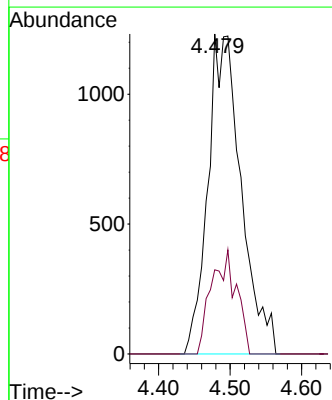
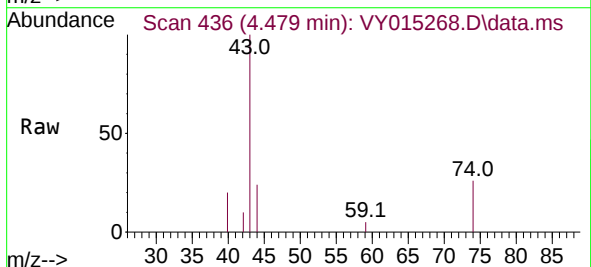
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DUP-1(X-X)

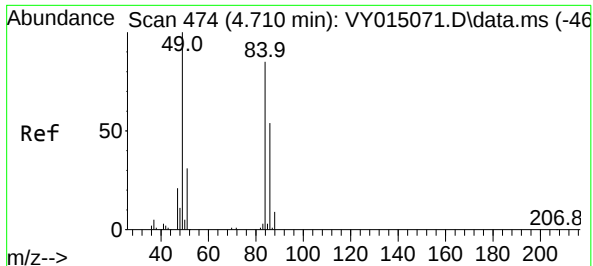
Tgt Ion: 76 Resp: 3502  
Ion Ratio Lower Upper  
76 100  
78 8.6 7.0 10.4



#18  
Methyl Acetate  
Concen: 2.204 ug/l  
RT: 4.479 min Scan# 436  
Delta R.T. 0.013 min  
Lab File: VY015268.D  
Acq: 23 Aug 2023 01:02

Tgt Ion: 43 Resp: 3981  
Ion Ratio Lower Upper  
43 100  
74 13.4 17.4 26.0#

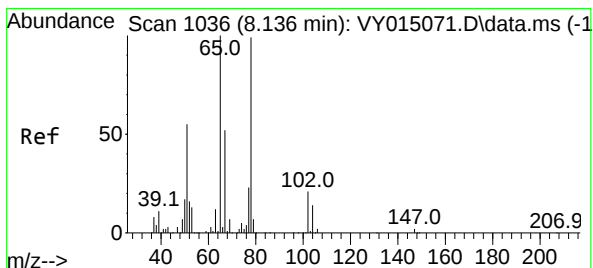
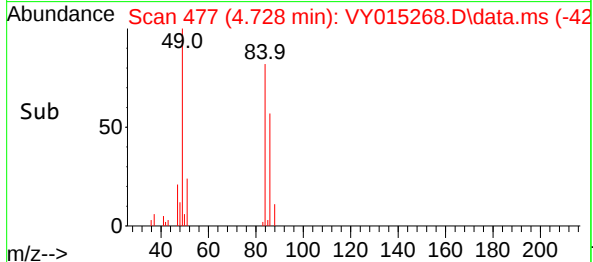
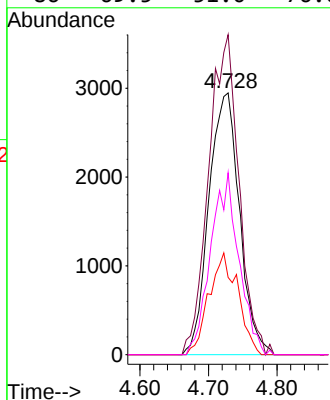
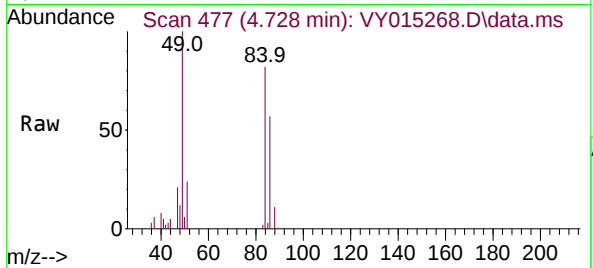




#20  
Methylene Chloride  
Concen: 3.742 ug/l  
RT: 4.728 min Scan# 41  
Delta R.T. 0.018 min  
Lab File: VY015268.D  
Acq: 23 Aug 2023 01:02

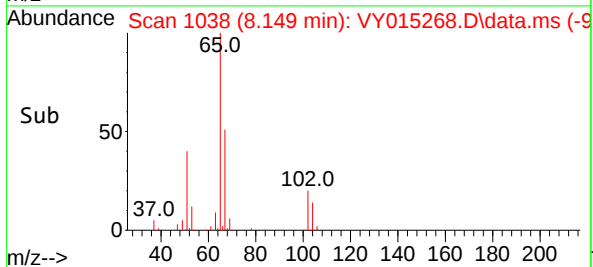
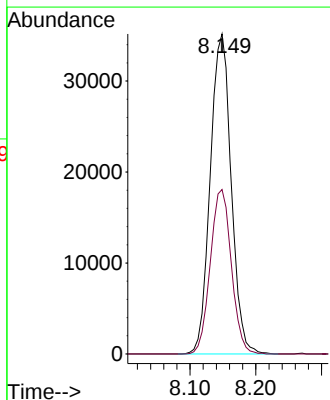
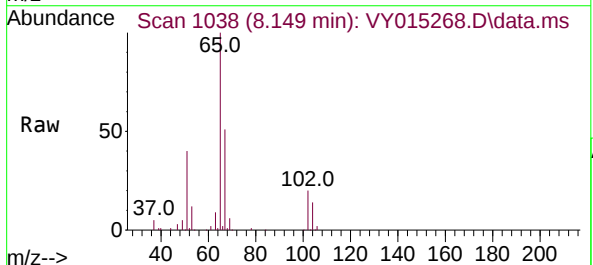
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DUP-1(X-X)

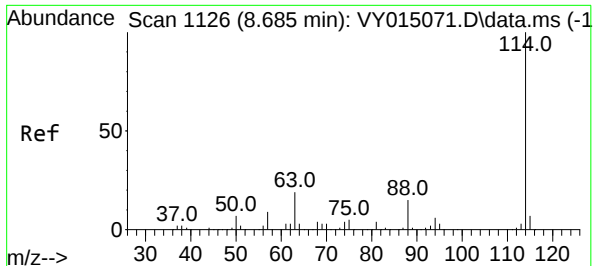
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 9146  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 122.3 | 106.9 | 160.3 |
| 51       | 29.5  | 33.2  | 49.8# |
| 86       | 69.5  | 51.0  | 76.6  |



#33  
1,2-Dichloroethane-d4  
Concen: 51.603 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.012 min  
Lab File: VY015268.D  
Acq: 23 Aug 2023 01:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 77859 |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 51.7  | 0.0   | 101.8 |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.012 min

Lab File: VY015268.D

Acq: 23 Aug 2023 01:02

Instrument :

MSVOA\_Y

ClientSampleId :

DUP-1(X-X)

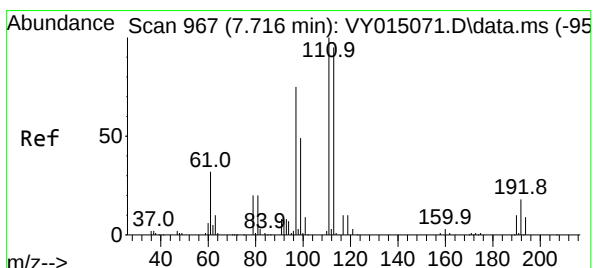
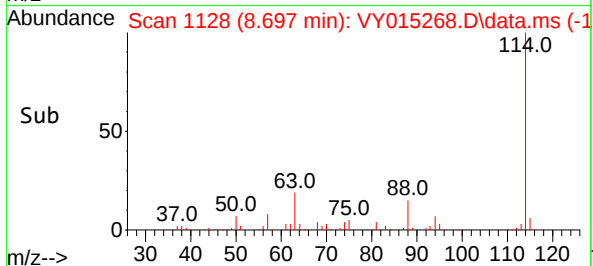
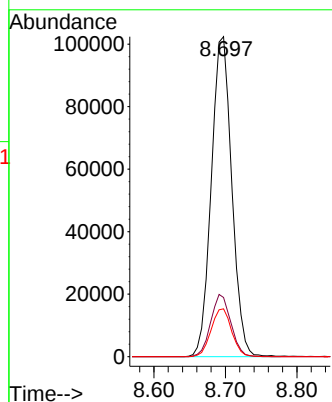
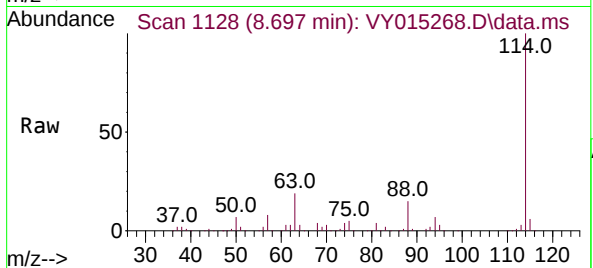
Tgt Ion:114 Resp: 203484

Ion Ratio Lower Upper

114 100

63 18.5 0.0 42.4

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.169 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY015268.D

Acq: 23 Aug 2023 01:02

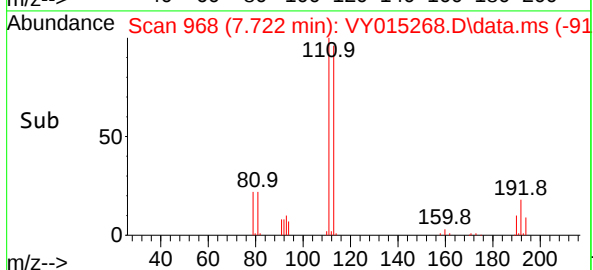
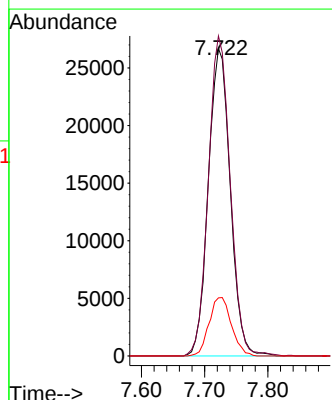
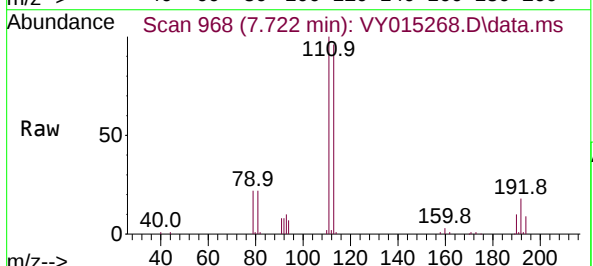
Tgt Ion:113 Resp: 64366

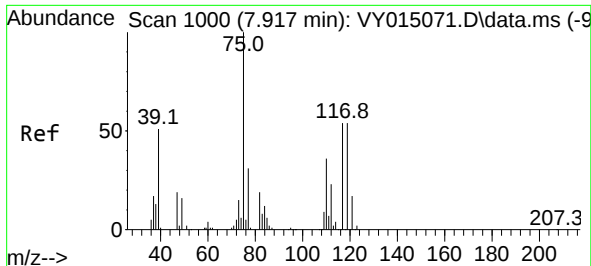
Ion Ratio Lower Upper

113 100

111 103.5 81.3 121.9

192 19.3 16.9 25.3





#36

1,1-Dichloropropene

Concen: 6.612 ug/l

RT: 7.795 min Scan# 9

Delta R.T. -0.116 min

Lab File: VY015268.D

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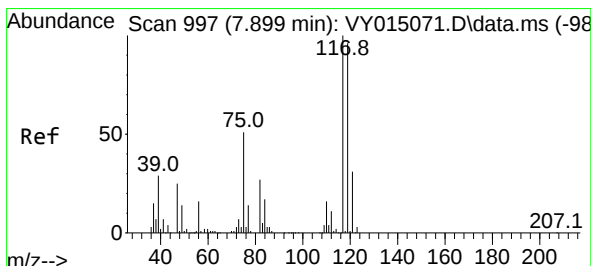
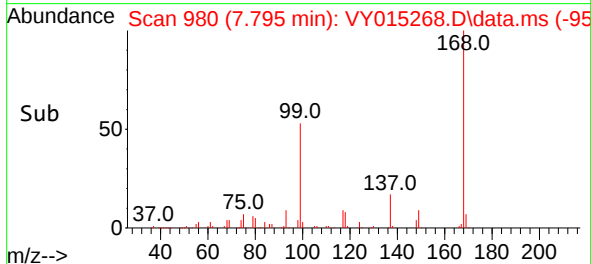
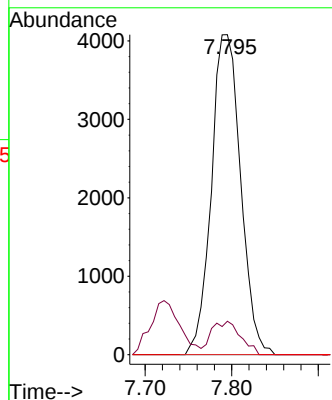
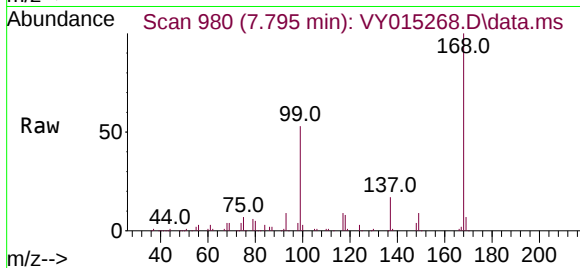
Tgt Ion: 75 Resp: 9576

Ion Ratio Lower Upper

75 100

110 10.4 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 7.001 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.104 min

Lab File: VY015268.D

Acq: 23 Aug 2023 01:02

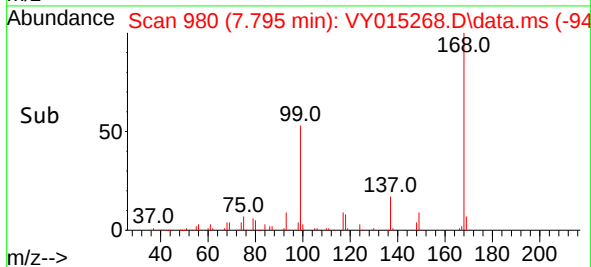
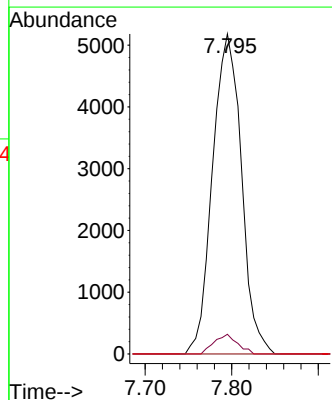
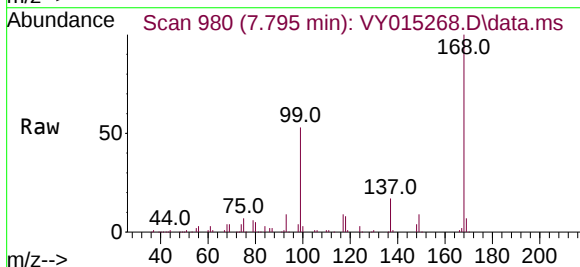
Tgt Ion: 117 Resp: 11999

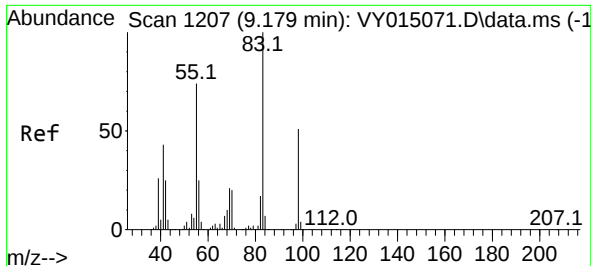
Ion Ratio Lower Upper

117 100

119 6.2 76.4 114.6#

121 0.0 25.8 38.6#





#39

Methylcyclohexane

Concen: 1.213 ug/l

RT: 9.179 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015268.D

Acq: 23 Aug 2023 01:02

Instrument :

MSVOA\_Y

ClientSampleId :

DUP-1(X-X)

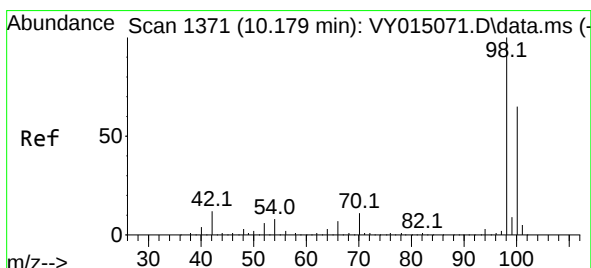
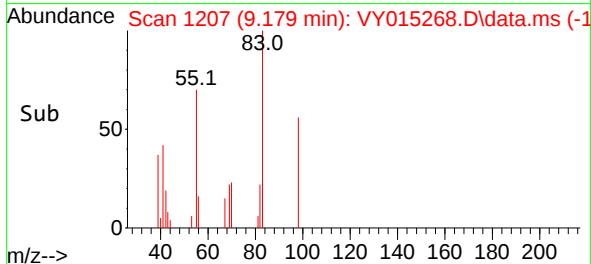
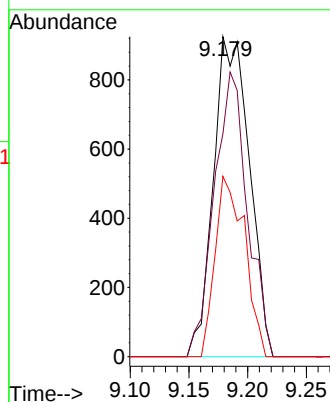
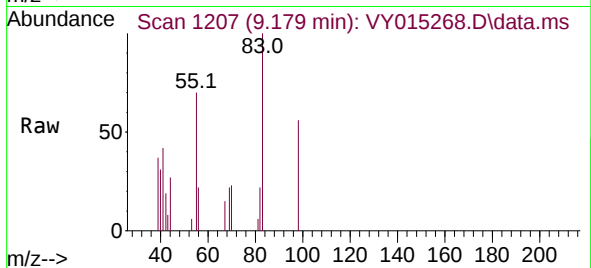
Tgt Ion: 83 Resp: 1970

Ion Ratio Lower Upper

83 100

55 69.6 63.0 94.4

98 56.3 37.4 56.2#



#50

Toluene-d8

Concen: 48.207 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.006 min

Lab File: VY015268.D

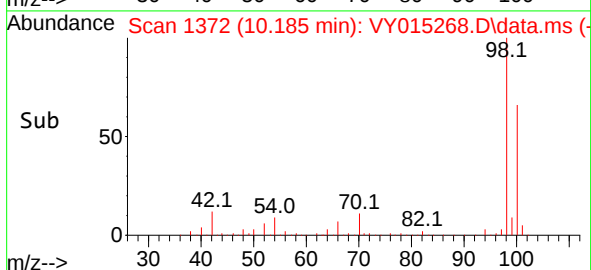
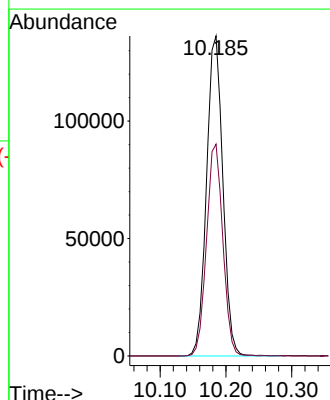
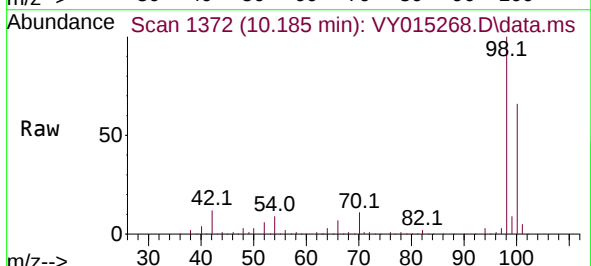
Acq: 23 Aug 2023 01:02

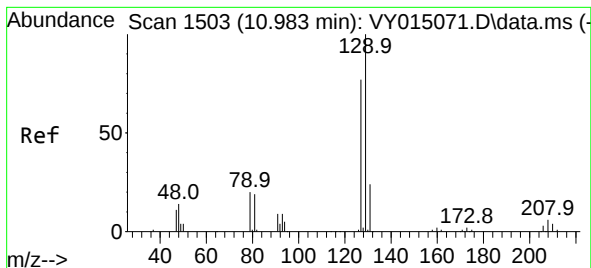
Tgt Ion: 98 Resp: 234922

Ion Ratio Lower Upper

98 100

100 66.1 50.1 75.1

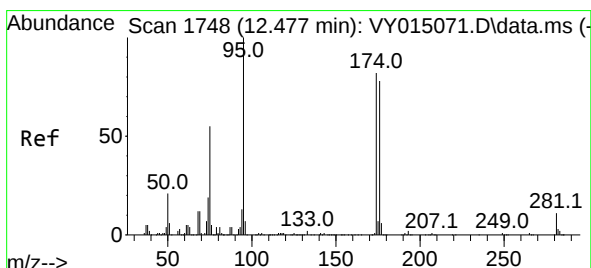
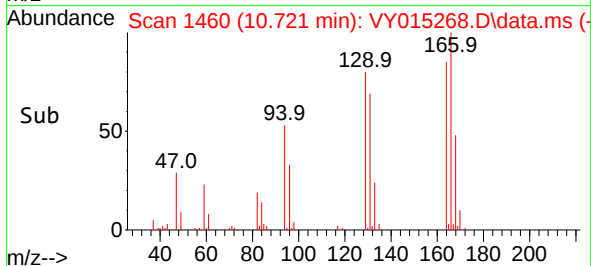
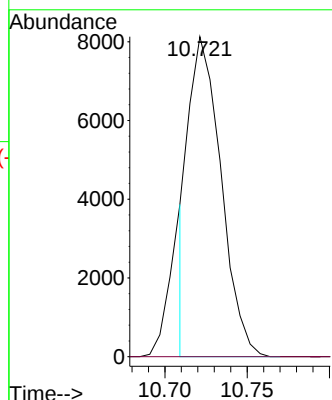
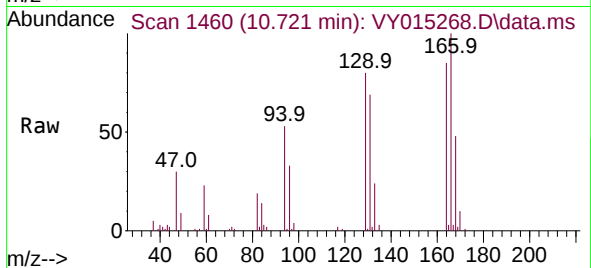




#60  
Dibromochloromethane  
Concen: 7.842 ug/l  
RT: 10.721 min Scan# 1460  
Delta R.T. -0.262 min  
Lab File: VY015268.D  
Acq: 23 Aug 2023 01:02

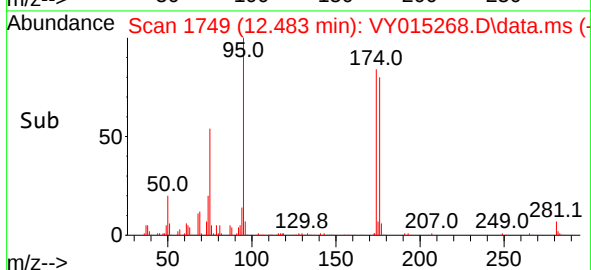
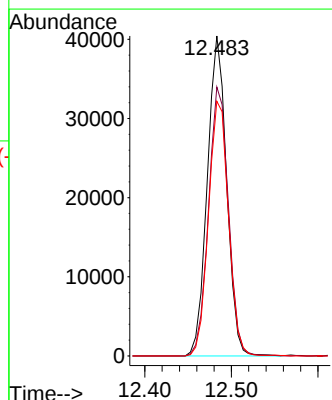
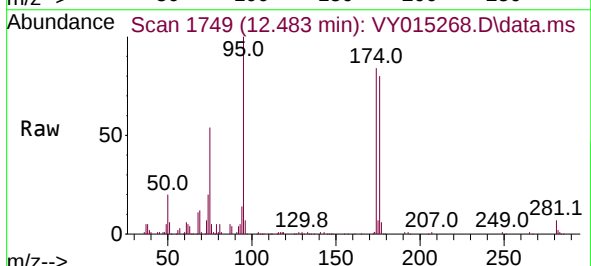
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DUP-1(X-X)

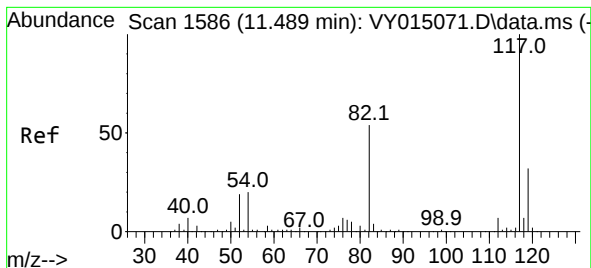
Tgt Ion:129 Resp: 11076  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.5 115.5#



#62  
4-Bromofluorobenzene  
Concen: 35.218 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY015268.D  
Acq: 23 Aug 2023 01:02

Tgt Ion: 95 Resp: 62684  
Ion Ratio Lower Upper  
95 100  
174 86.5 0.0 178.2  
176 82.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015268.D

Acq: 23 Aug 2023 01:02

Instrument :

MSVOA\_Y

ClientSampleId :

DUP-1(X-X)

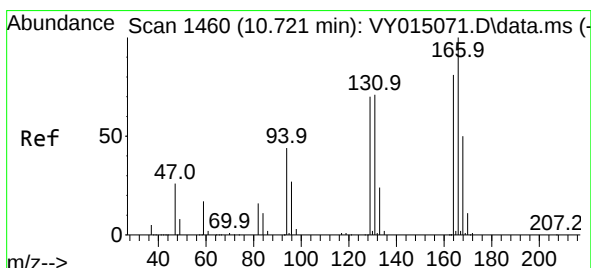
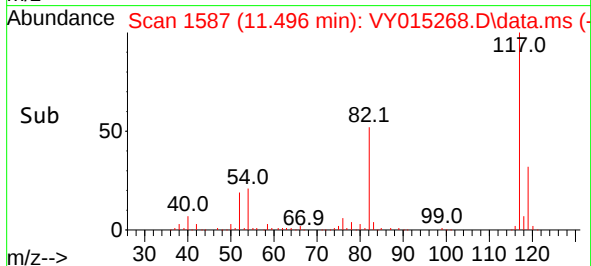
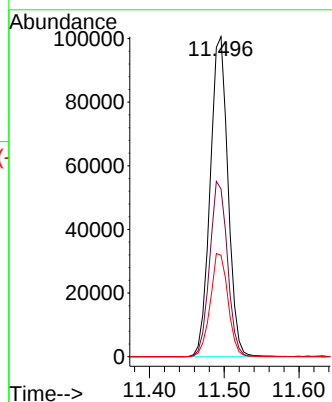
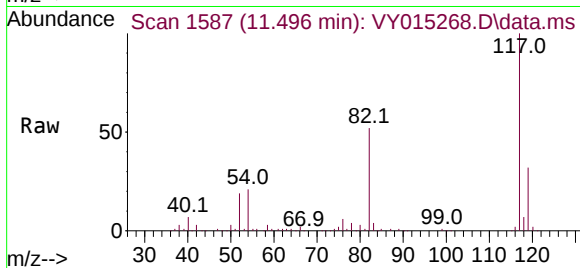
Tgt Ion:117 Resp: 166173

Ion Ratio Lower Upper

117 100

82 52.4 43.4 65.0

119 31.7 26.3 39.5



#64

Tetrachloroethene

Concen: 12.639 ug/l

RT: 10.721 min Scan# 1460

Delta R.T. 0.006 min

Lab File: VY015268.D

Acq: 23 Aug 2023 01:02

Tgt Ion:164 Resp: 14632

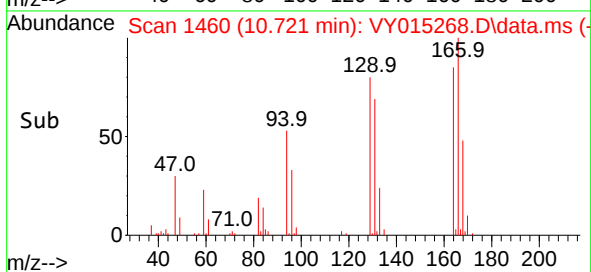
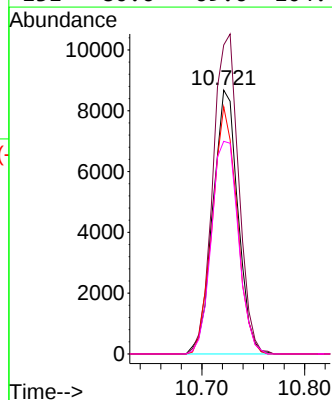
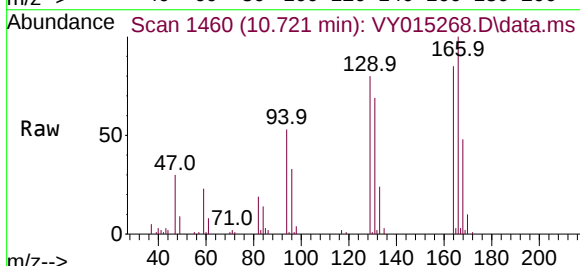
Ion Ratio Lower Upper

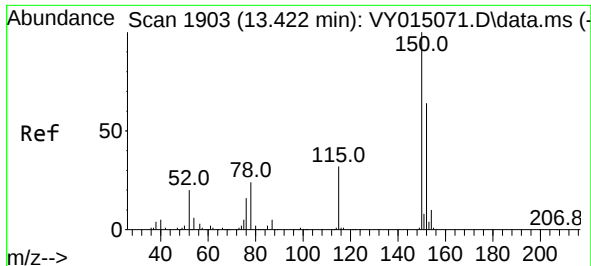
164 100

166 117.1 103.0 154.6

129 93.7 77.2 115.8

131 80.6 69.6 104.4

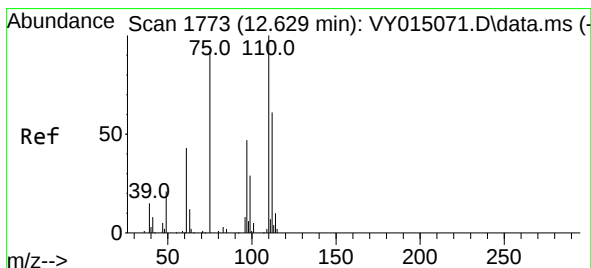
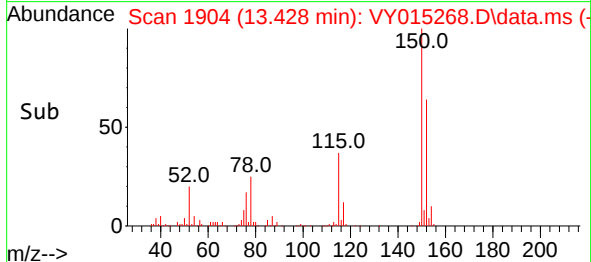
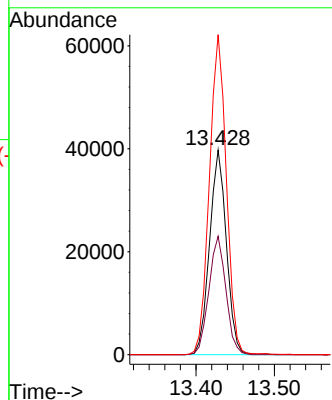
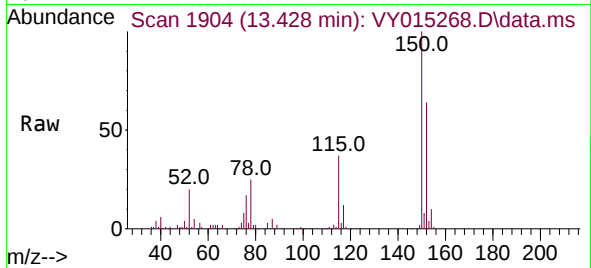




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1903  
 Delta R.T. 0.006 min  
 Lab File: VY015268.D  
 Acq: 23 Aug 2023 01:02

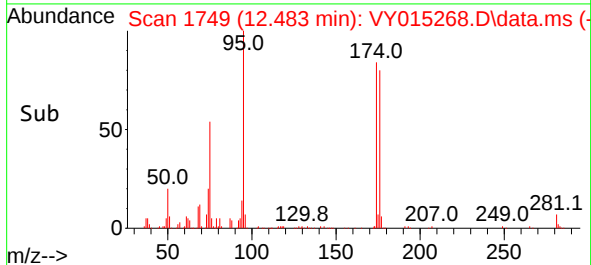
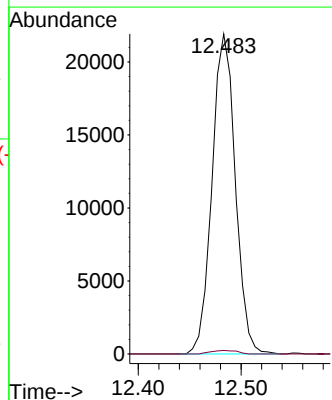
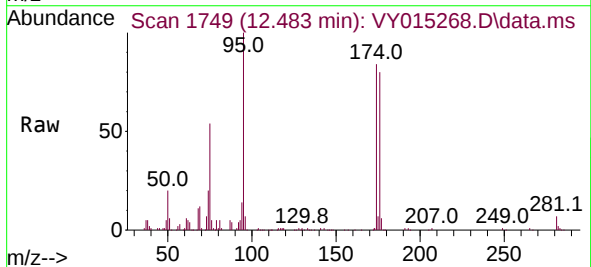
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 DUP-1(X-X)

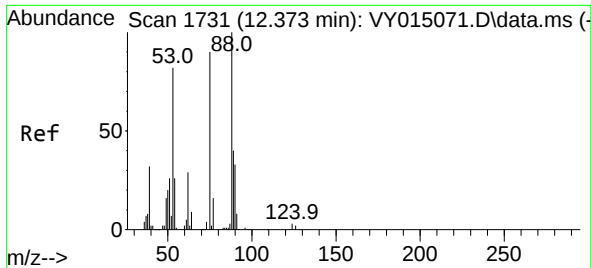
Tgt Ion:152 Resp: 59290  
 Ion Ratio Lower Upper  
 152 100  
 115 58.4 28.8 86.5  
 150 157.6 0.0 348.8



#76  
 1,2,3-Trichloropropane  
 Concen: 47.809 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.146 min  
 Lab File: VY015268.D  
 Acq: 23 Aug 2023 01:02

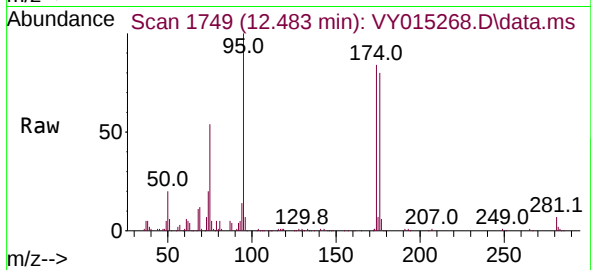
Tgt Ion: 75 Resp: 34438  
 Ion Ratio Lower Upper  
 75 100  
 77 1.2 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 105.011 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.110 min  
 Lab File: VY015268.D  
 Acq: 23 Aug 2023 01:02

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 DUP-1(X-X)



Tgt Ion: 75 Resp: 34438  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 77.8 116.8#  
 89 0.1 37.4 56.0#

