

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121222\  
 Data File : VY011766.D  
 Acq On : 12 Dec 2022 13:18  
 Operator : KP/MD  
 Sample : N5963-01RE  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 72-1195-08RE

Quant Time: Dec 13 00:19:12 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120922S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Dec 10 04:19:59 2022  
 Response via : Initial Calibration

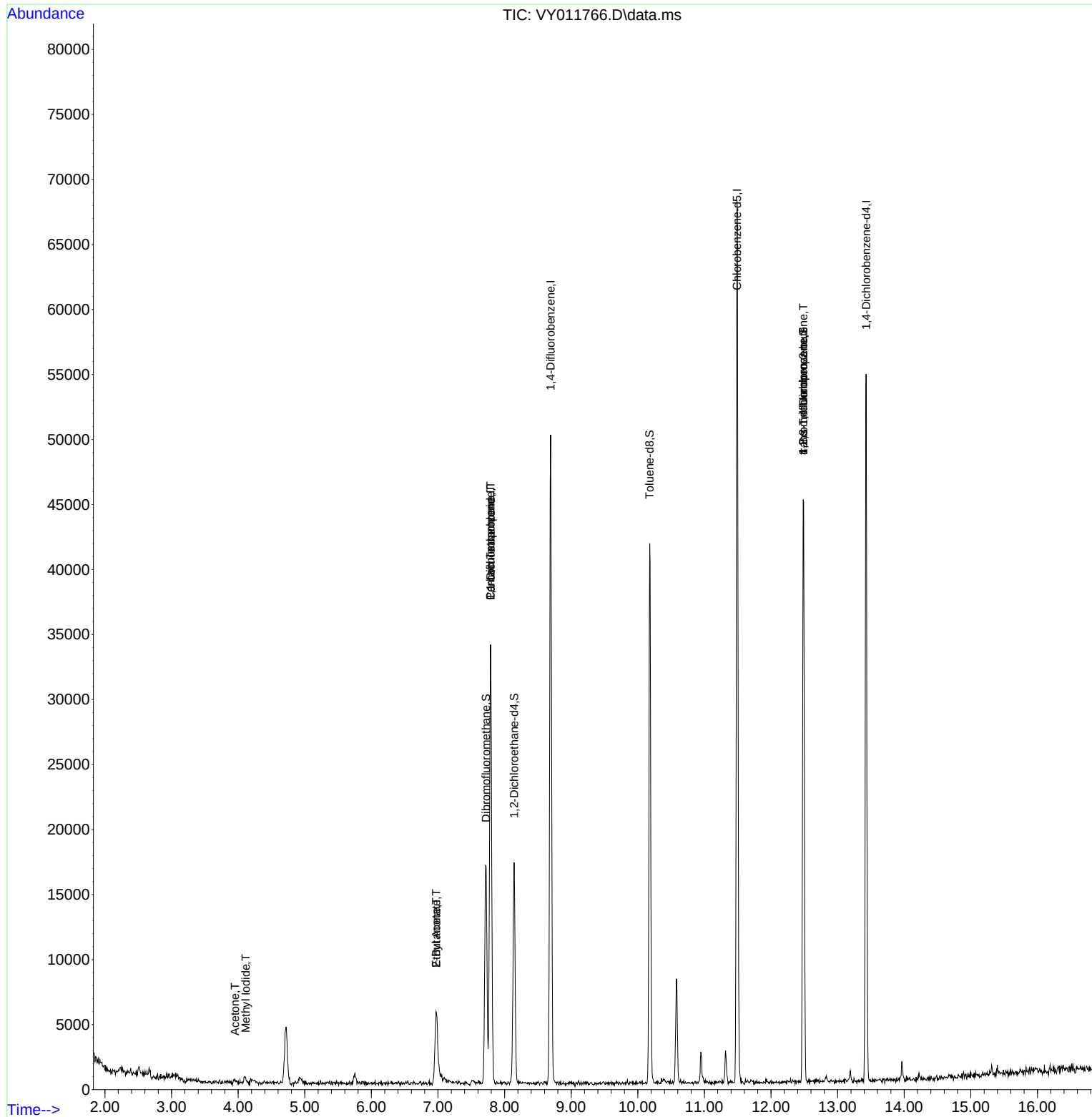
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 26660    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 43797    | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 39292    | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 14796    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.142  | 65    | 13214    | 75.035    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 150.060% |          |
| 35) Dibromofluoromethane      | 7.722  | 113   | 12392    | 64.837    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 129.680% |          |
| 50) Toluene-d8                | 10.179 | 98    | 29666    | 45.964    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 91.920%  |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 10764    | 41.626    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 83.260%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 3) Chloromethane              | 2.119  | 50    | 161      | Below Cal | #          | 41       |
| 5) Bromomethane               | 2.662  | 94    | 240      | Below Cal |            | 85       |
| 10) Methyl Iodide             | 4.113  | 142   | 629      | 2.456     | ug/l #     | 90       |
| 11) Tert butyl alcohol        | 4.948  | 59    | 354      | Below Cal | #          | 74       |
| 16) Acetone                   | 3.954  | 43    | 331      | 4.547     | ug/l #     | 40       |
| 18) Methyl Acetate            | 4.204  | 43    | 27       | Below Cal | #          | 50       |
| 25) 2-Butanone                | 6.972  | 43    | 210      | 2.243     | ug/l #     | 46       |
| 31) Cyclohexane               | 7.789  | 56    | 571      | Below Cal | #          | 1        |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 2032     | 6.114     | ug/l #     | 43       |
| 37) Ethyl Acetate             | 6.972  | 43    | 210      | 1.081     | ug/l #     | 1        |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 2624     | 6.721     | ug/l #     | 18       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 5309     | 35.465    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 5309     | 80.477    | ug/l #     | 13       |
| -----                         |        |       |          |           |            |          |

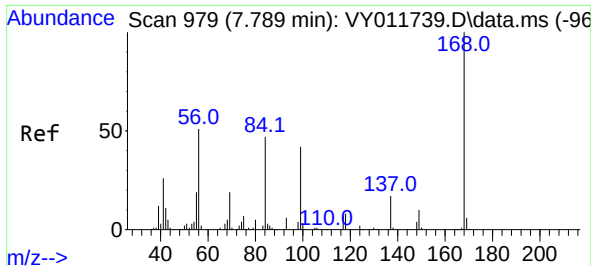
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121222\  
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Instrument :  
MSVOA\_Y  
ClientSampleId :  
72-1195-08RE

Quant Time: Dec 13 00:19:12 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120922S.M  
Quant Title : SW846 8260  
QLast Update : Sat Dec 10 04:19:59 2022  
Response via : Initial Calibration

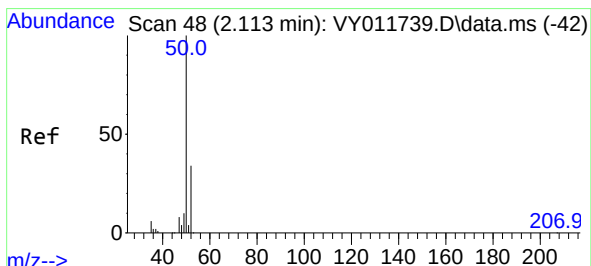
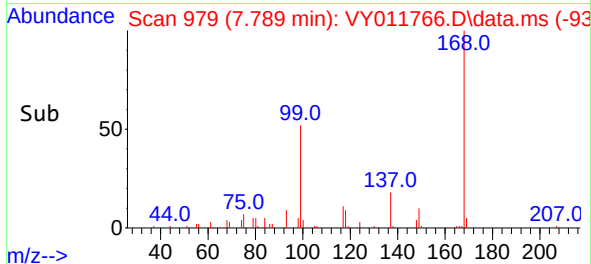
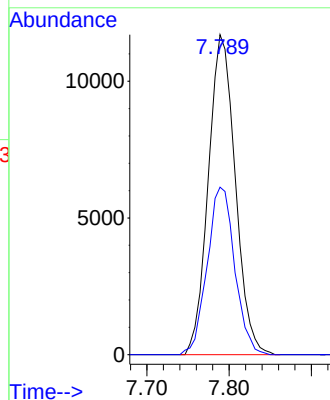
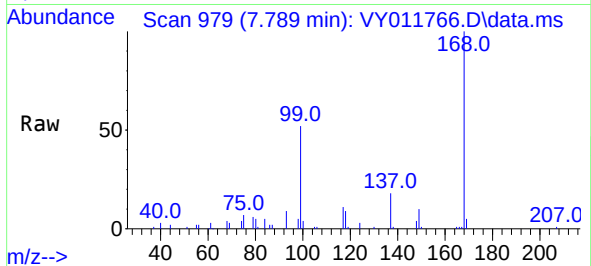




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY011766.D  
Acq: 12 Dec 2022 13:18

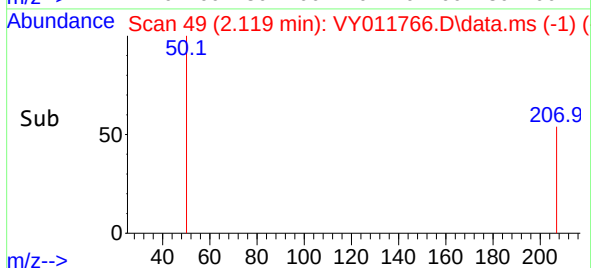
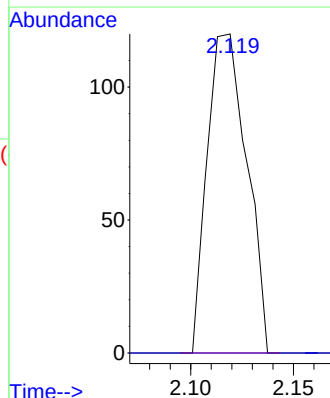
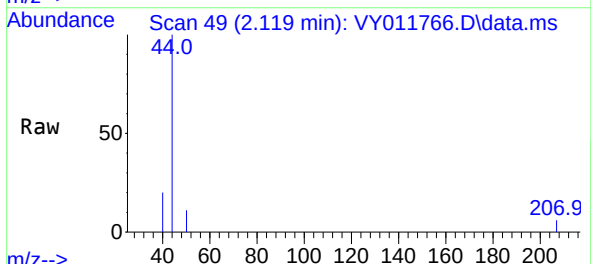
Instrument :  
MSVOA\_Y  
ClientSampleId :  
72-1195-08RE

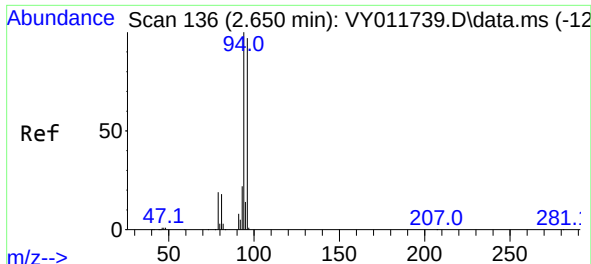
Tgt Ion:168 Resp: 26660  
Ion Ratio Lower Upper  
168 100  
99 52.3 44.0 66.0



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.119 min Scan# 49  
Delta R.T. 0.006 min  
Lab File: VY011766.D  
Acq: 12 Dec 2022 13:18

Tgt Ion: 50 Resp: 161  
Ion Ratio Lower Upper  
50 100  
52 0.0 26.8 40.2#

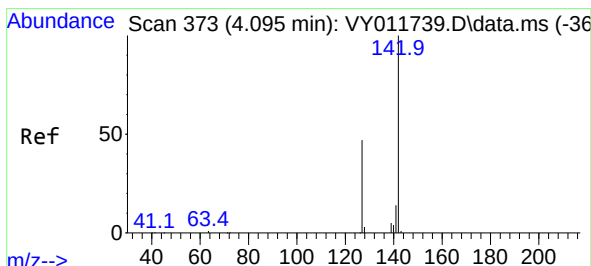
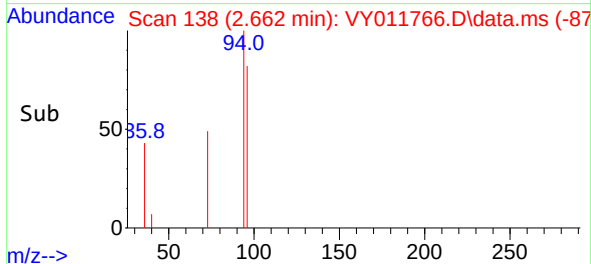
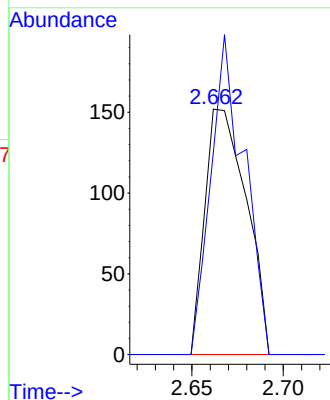
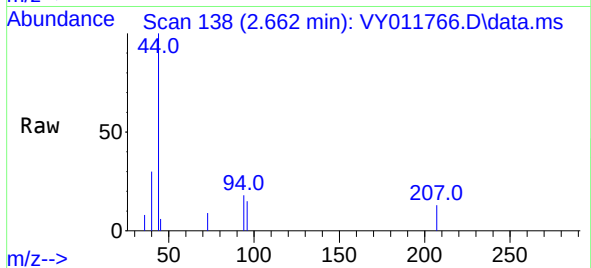




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.662 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VY011766.D  
Acq: 12 Dec 2022 13:18

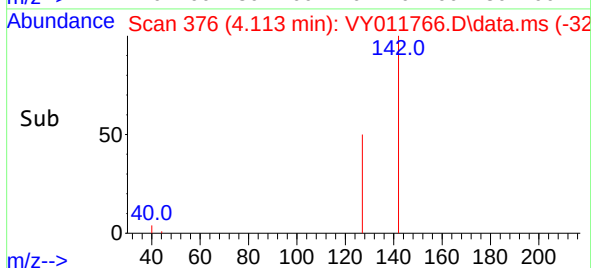
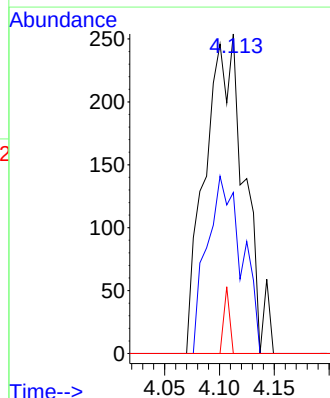
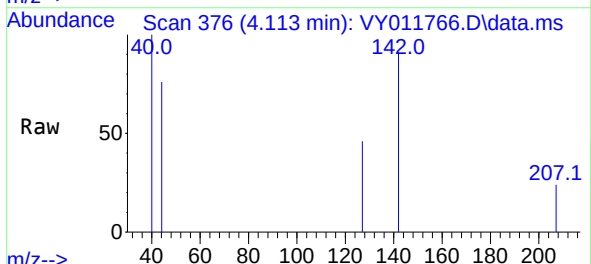
Instrument :  
MSVOA\_Y  
ClientSampleId :  
72-1195-08RE

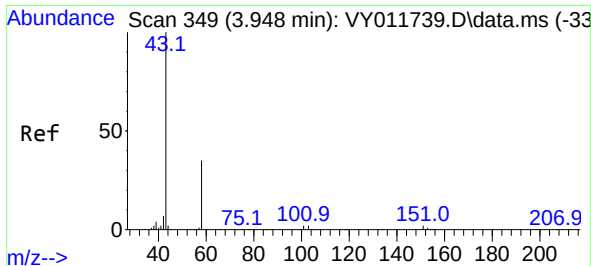
Tgt Ion: 94 Resp: 240  
Ion Ratio Lower Upper  
94 100  
96 82.2 77.4 116.2



#10  
Methyl Iodide  
Concen: 2.456 ug/l  
RT: 4.113 min Scan# 376  
Delta R.T. 0.018 min  
Lab File: VY011766.D  
Acq: 12 Dec 2022 13:18

Tgt Ion:142 Resp: 629  
Ion Ratio Lower Upper  
142 100  
127 49.4 37.0 55.4  
141 3.0 11.4 17.0#

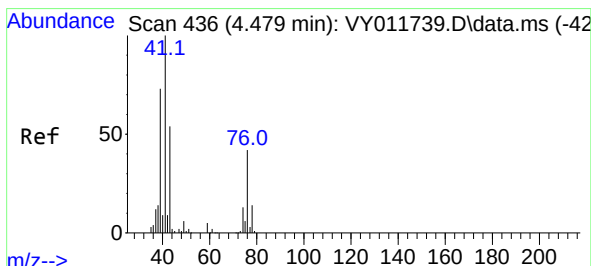
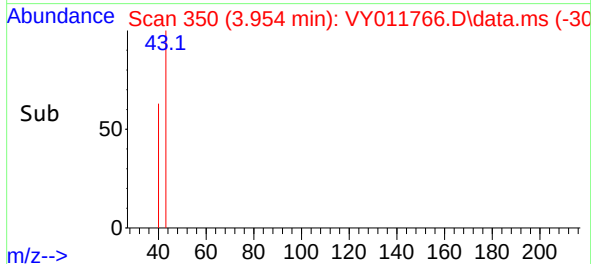
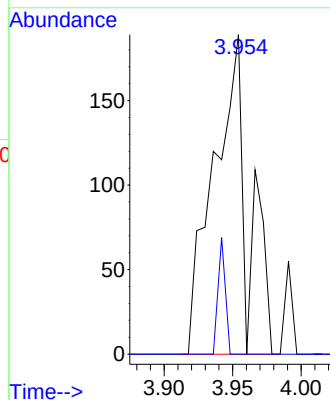
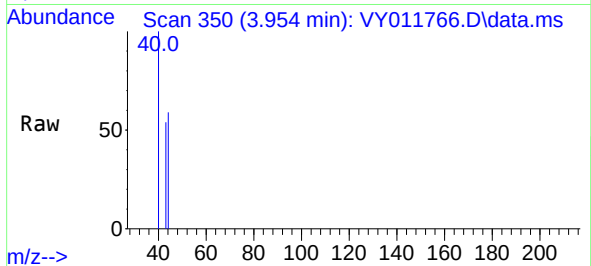




#16  
Acetone  
Concen: 4.547 ug/l  
RT: 3.954 min Scan# 311  
Delta R.T. 0.006 min  
Lab File: VY011766.D  
Acq: 12 Dec 2022 13:18

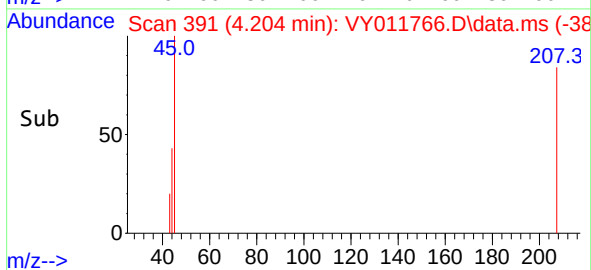
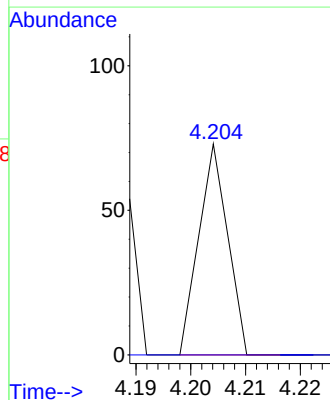
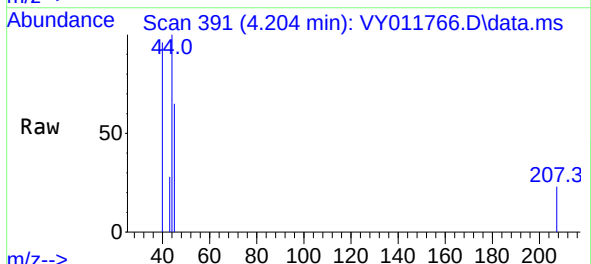
Instrument :  
MSVOA\_Y  
ClientSampleId :  
72-1195-08RE

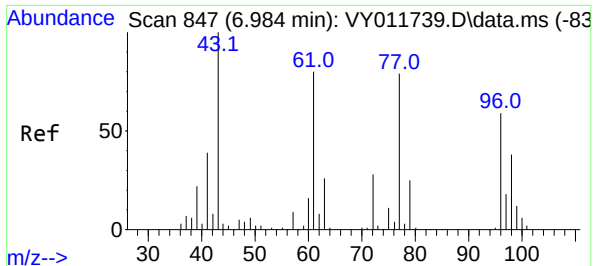
Tgt Ion: 43 Resp: 331  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.9 41.9#



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.204 min Scan# 391  
Delta R.T. -0.275 min  
Lab File: VY011766.D  
Acq: 12 Dec 2022 13:18

Tgt Ion: 43 Resp: 27  
Ion Ratio Lower Upper  
43 100  
74 0.0 20.1 30.1#





#25

2-Butanone

Concen: 2.243 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY011766.D

Acq: 12 Dec 2022 13:18

Instrument :

MSVOA\_Y

ClientSampleId :

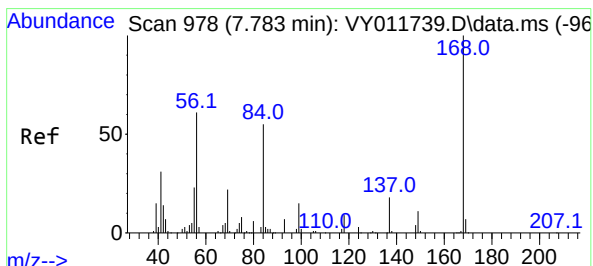
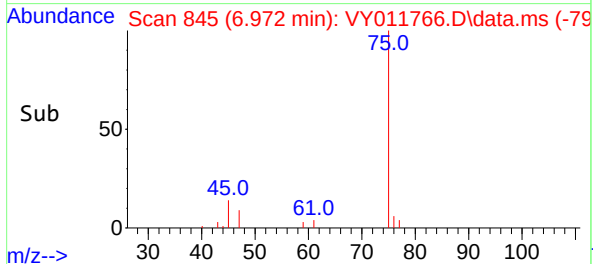
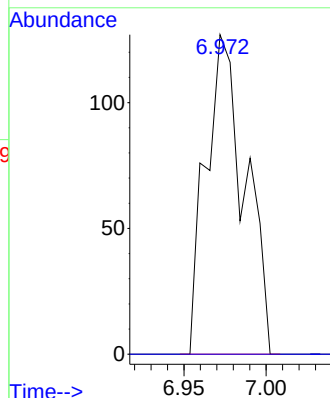
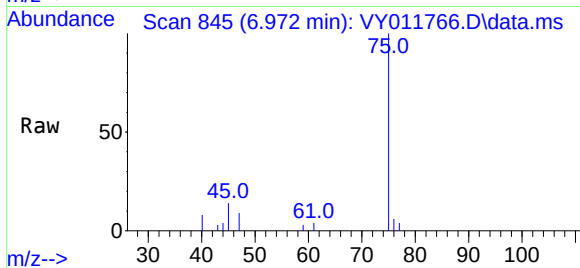
72-1195-08RE

Tgt Ion: 43 Resp: 210

Ion Ratio Lower Upper

43 100

72 0.0 22.6 34.0#



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY011766.D

Acq: 12 Dec 2022 13:18

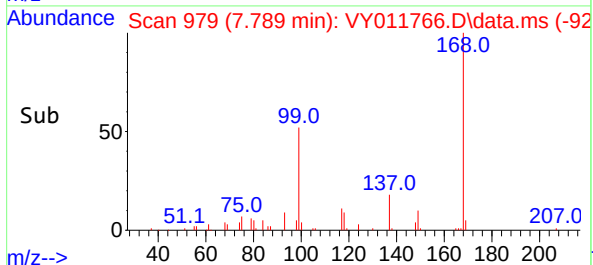
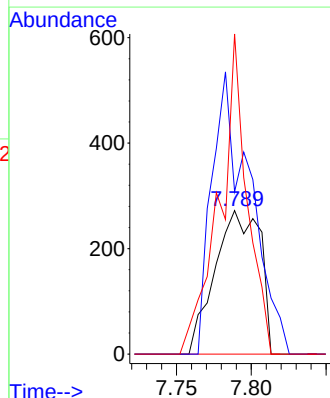
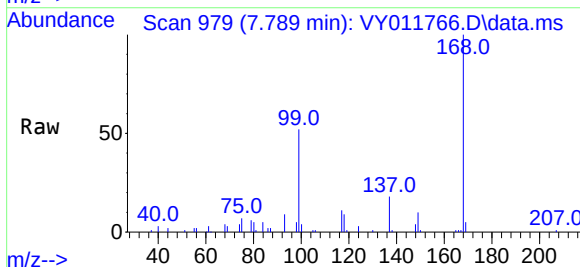
Tgt Ion: 56 Resp: 571

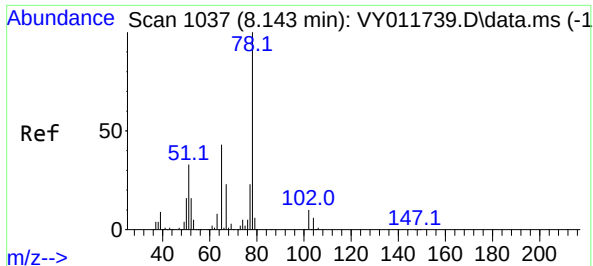
Ion Ratio Lower Upper

56 100

69 113.2 29.2 43.8#

84 223.2 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 75.035 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011766.D

Acq: 12 Dec 2022 13:18

Instrument :

MSVOA\_Y

ClientSampleId :

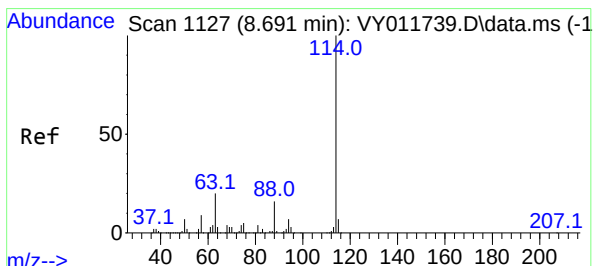
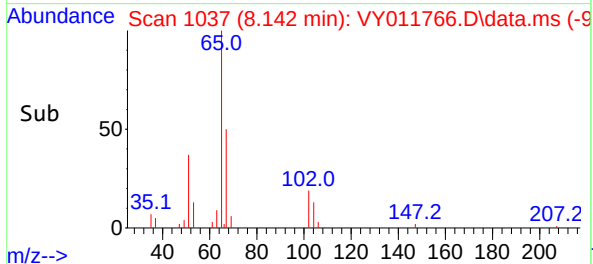
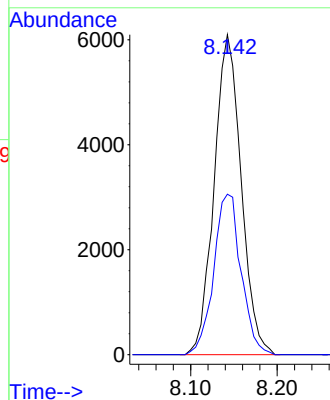
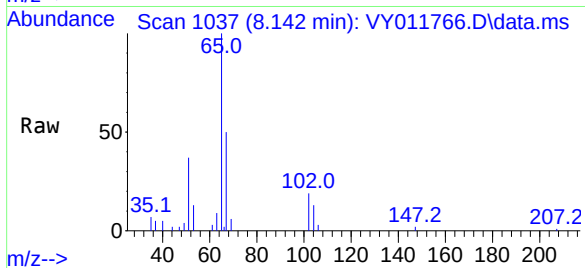
72-1195-08RE

Tgt Ion: 65 Resp: 13214

Ion Ratio Lower Upper

65 100

67 50.8 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011766.D

Acq: 12 Dec 2022 13:18

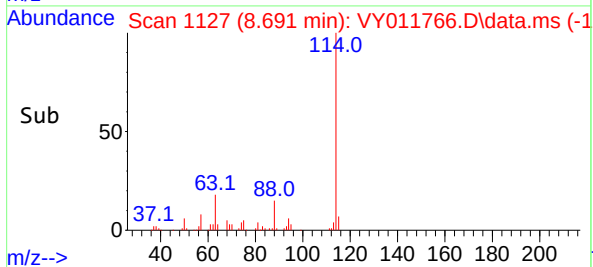
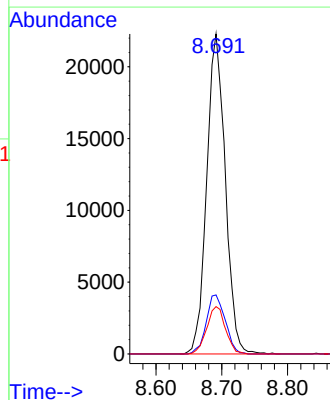
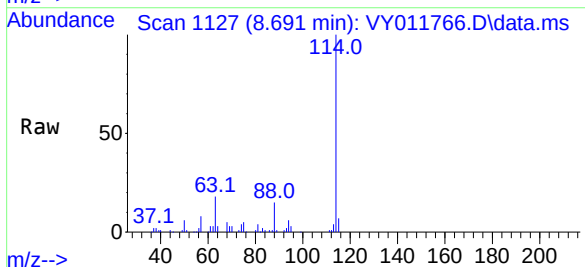
Tgt Ion: 114 Resp: 43797

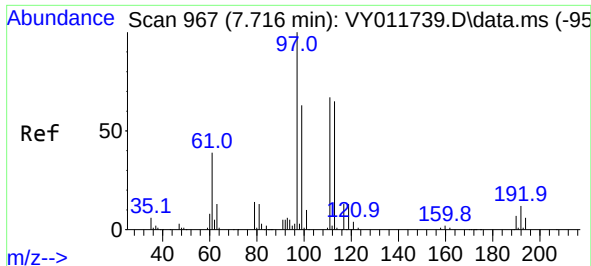
Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.6

88 14.8 0.0 32.2

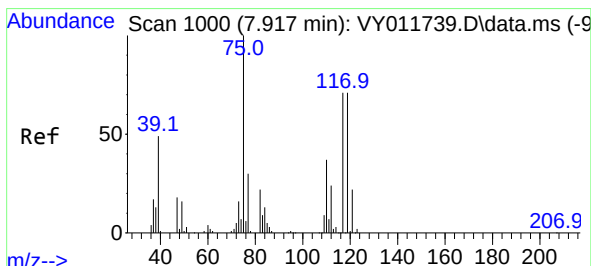
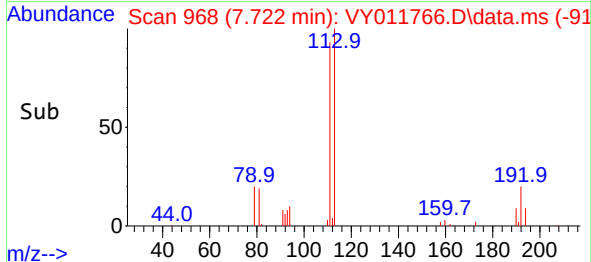
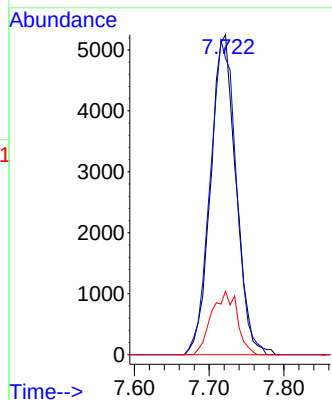
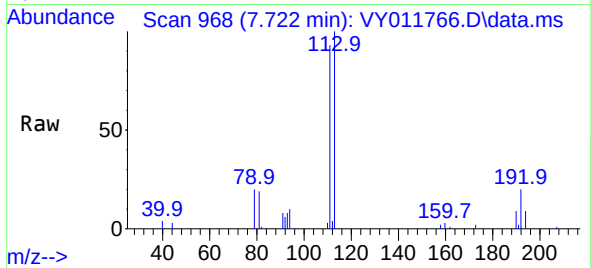




#35  
Dibromofluoromethane  
Concen: 64.837 ug/l  
RT: 7.722 min Scan# 911  
Delta R.T. 0.006 min  
Lab File: VY011766.D  
Acq: 12 Dec 2022 13:18

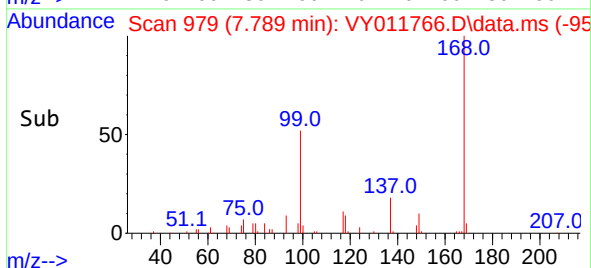
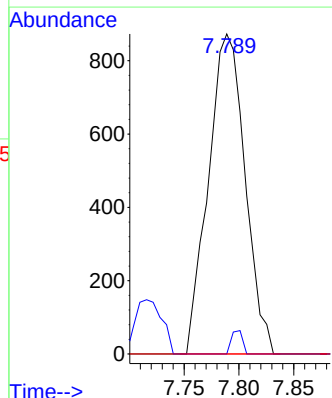
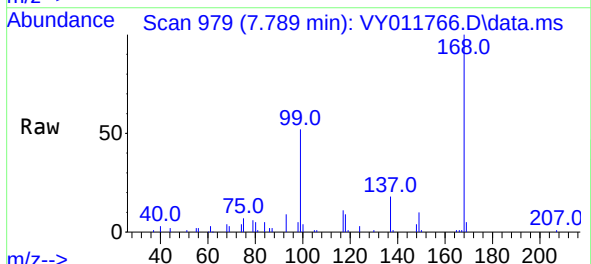
Instrument :  
MSVOA\_Y  
ClientSampleId :  
72-1195-08RE

Tgt Ion:113 Resp: 12392  
Ion Ratio Lower Upper  
113 100  
111 101.2 83.0 124.4  
192 20.1 16.0 24.0

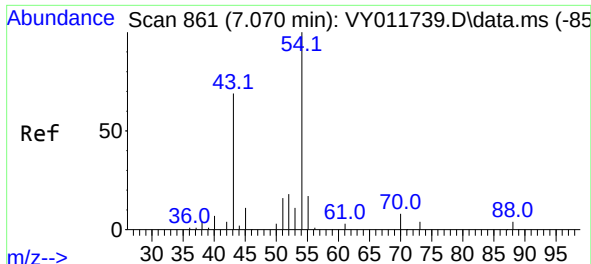


#36  
1,1-Dichloropropene  
Concen: 6.114 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.128 min  
Lab File: VY011766.D  
Acq: 12 Dec 2022 13:18

Tgt Ion: 75 Resp: 2032  
Ion Ratio Lower Upper  
75 100  
110 2.2 18.1 54.1#  
77 0.0 25.1 37.7#







#37

Ethyl Acetate

Concen: 1.081 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.098 min

Lab File: VY011766.D

Acq: 12 Dec 2022 13:18

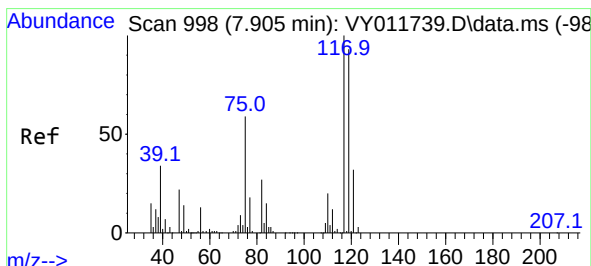
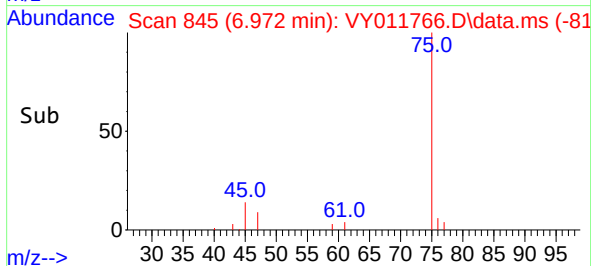
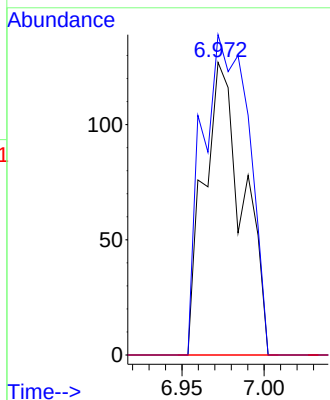
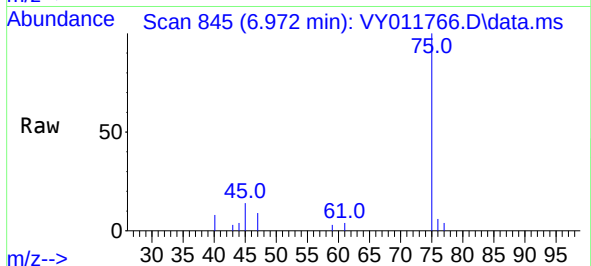
Instrument :

MSVOA\_Y

ClientSampleId :

72-1195-08RE

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 210   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 129.5 | 11.3  | 16.9# |
| 70       | 0.0   | 8.2   | 12.4# |



#38

Carbon Tetrachloride

Concen: 6.721 ug/l

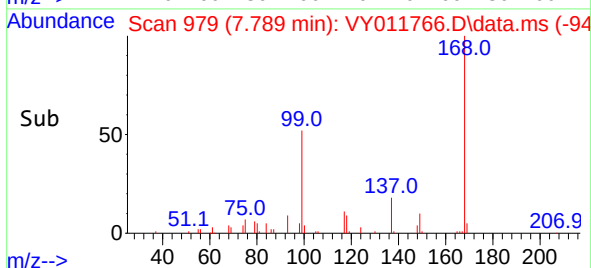
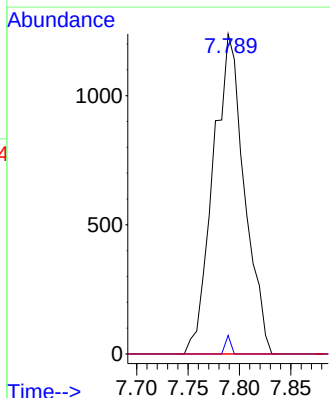
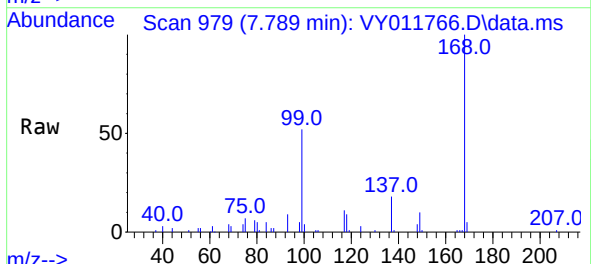
RT: 7.789 min Scan# 979

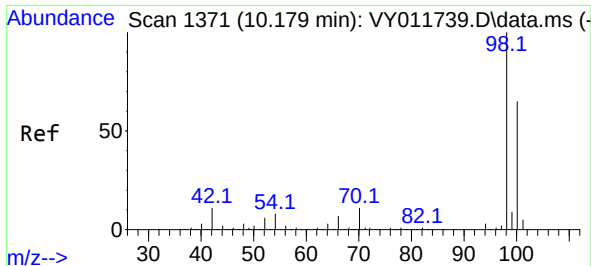
Delta R.T. -0.116 min

Lab File: VY011766.D

Acq: 12 Dec 2022 13:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 2624   |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 5.8   | 73.8  | 110.8# |
| 121      | 0.0   | 25.2  | 37.8#  |

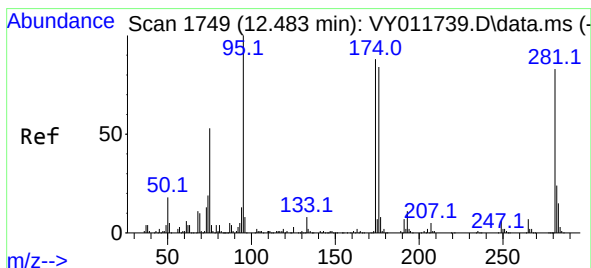
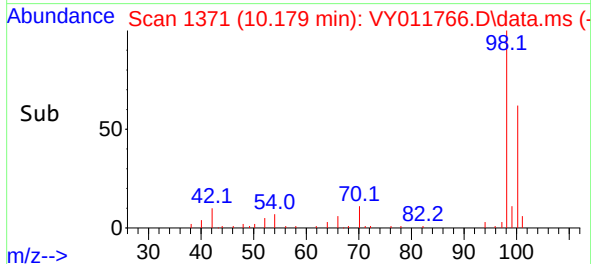
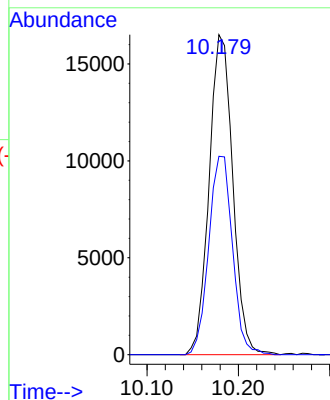
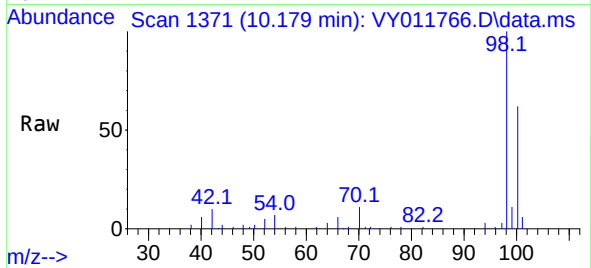




#50  
Toluene-d8  
Concen: 45.964 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY011766.D  
Acq: 12 Dec 2022 13:18

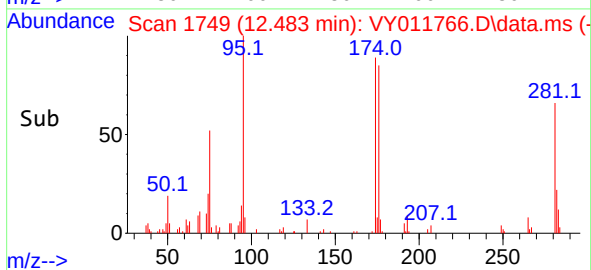
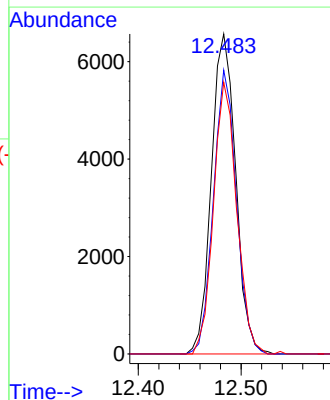
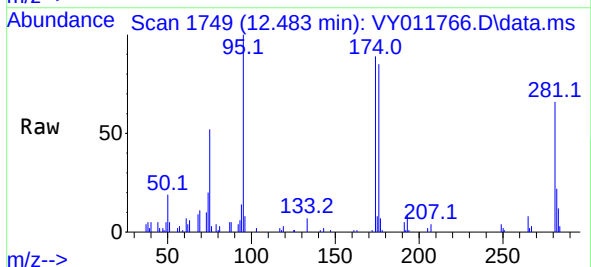
Instrument :  
MSVOA\_Y  
ClientSampleId :  
72-1195-08RE

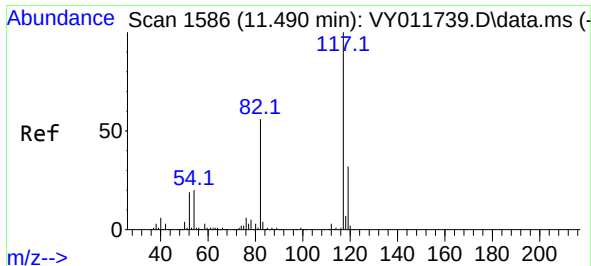
Tgt Ion: 98 Resp: 29666  
Ion Ratio Lower Upper  
98 100  
100 62.3 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 41.626 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY011766.D  
Acq: 12 Dec 2022 13:18

Tgt Ion: 95 Resp: 10764  
Ion Ratio Lower Upper  
95 100  
174 84.0 0.0 172.0  
176 81.2 0.0 167.6

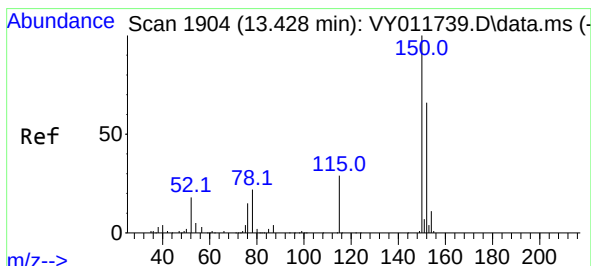
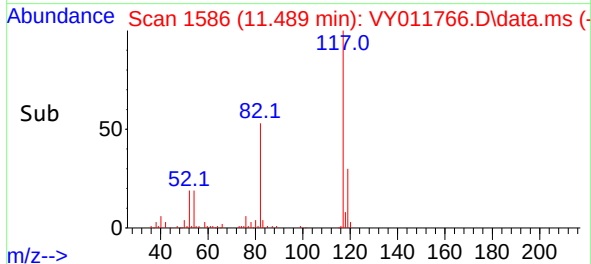
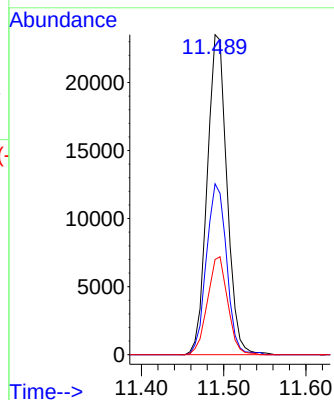
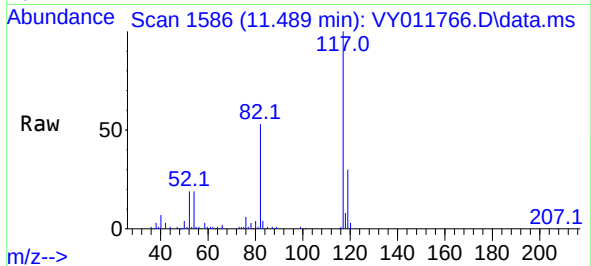




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VY011766.D  
Acq: 12 Dec 2022 13:18

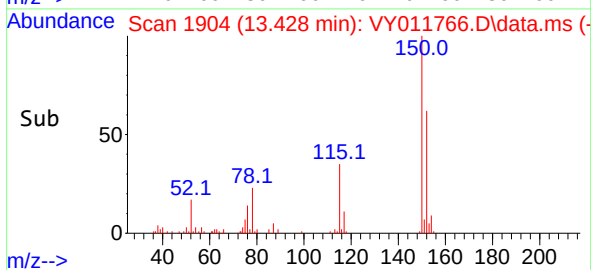
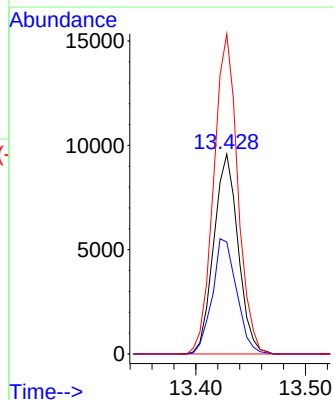
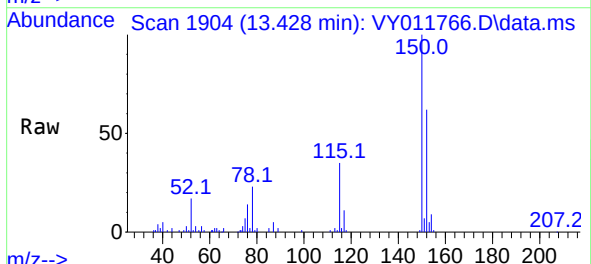
Instrument :  
MSVOA\_Y  
ClientSampleId :  
72-1195-08RE

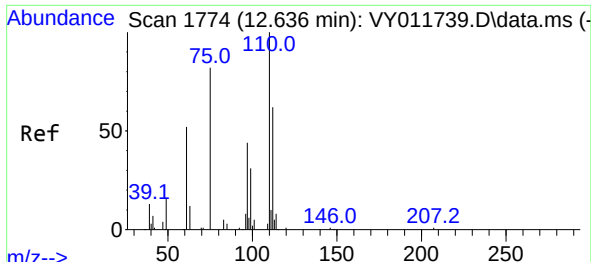
Tgt Ion:117 Resp: 39292  
Ion Ratio Lower Upper  
117 100  
82 53.4 44.8 67.2  
119 29.7 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY011766.D  
Acq: 12 Dec 2022 13:18

Tgt Ion:152 Resp: 14796  
Ion Ratio Lower Upper  
152 100  
115 57.6 29.1 87.3  
150 158.3 0.0 342.6

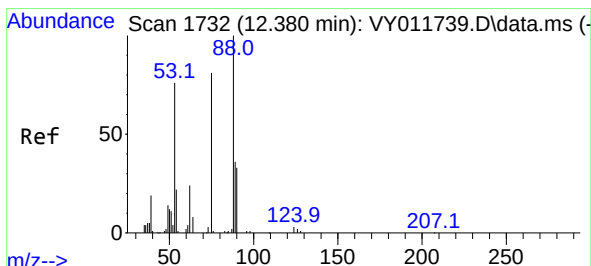
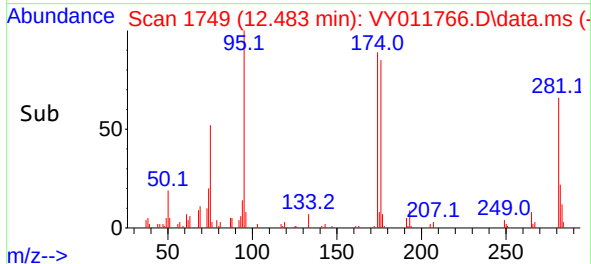
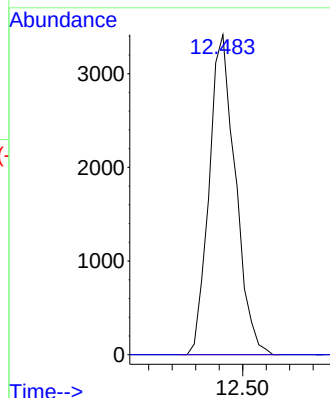
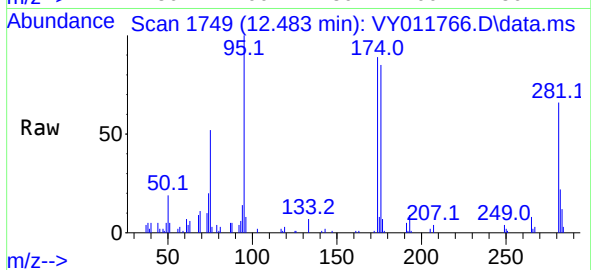




#76  
1,2,3-Trichloropropane  
Concen: 35.465 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.153 min  
Lab File: VY011766.D  
Acq: 12 Dec 2022 13:18

Instrument :  
MSVOA\_Y  
ClientSampleId :  
72-1195-08RE

Tgt Ion: 75 Resp: 5309  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0



#81  
trans-1,4-Dichloro-2-butene  
Concen: 80.477 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.103 min  
Lab File: VY011766.D  
Acq: 12 Dec 2022 13:18

Tgt Ion: 75 Resp: 5309  
Ion Ratio Lower Upper  
75 100  
53 0.0 72.5 108.7#  
89 0.0 37.0 55.4#

