

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112222\  
 Data File : VY011545.D  
 Acq On : 22 Nov 2022 14:04  
 Operator : KP/MD  
 Sample : N5749-01  
 Misc : 5.60g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 23 04:07:20 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 19 22:37:14 2022  
 Response via : Initial Calibration

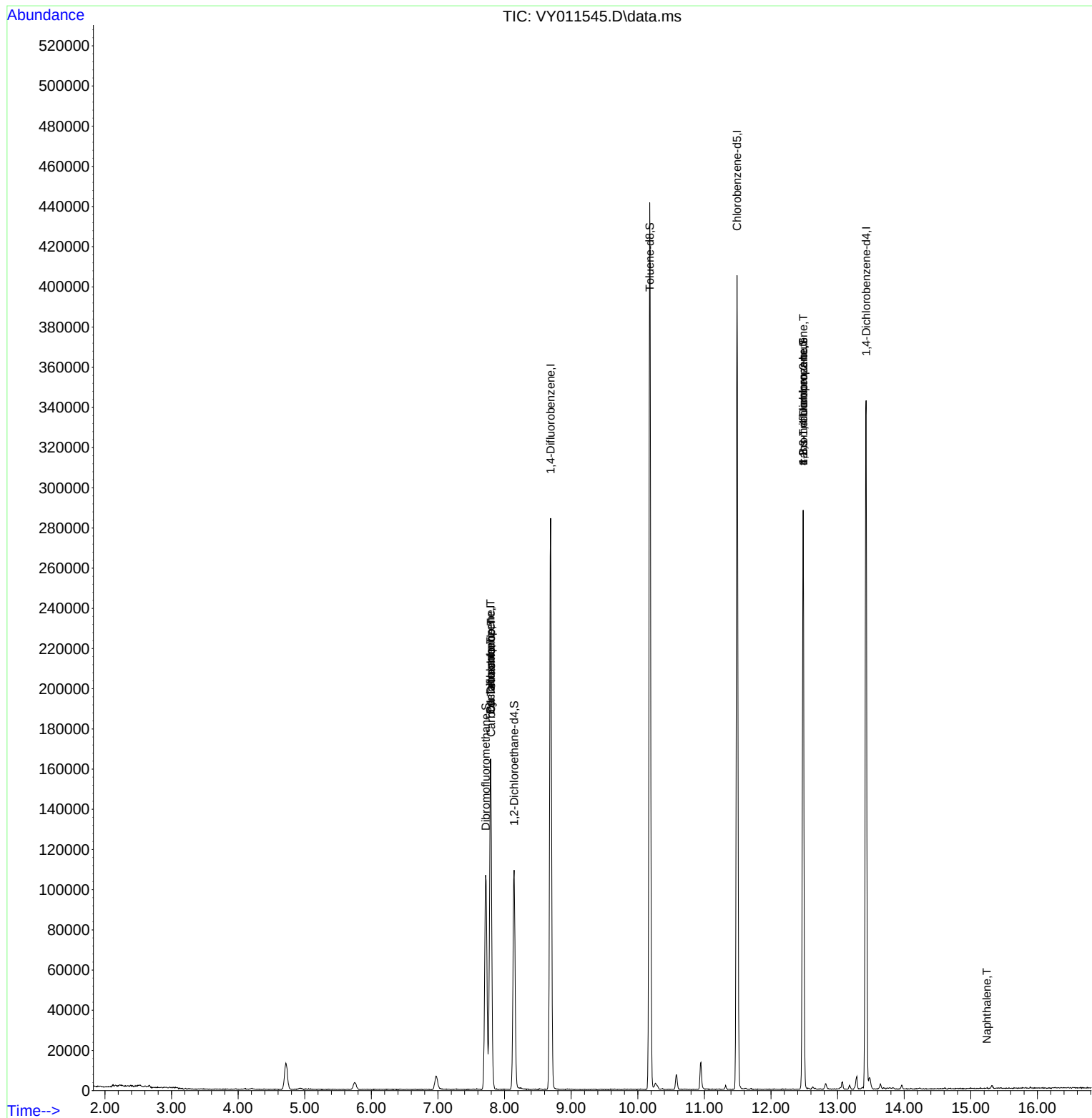
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 123275   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 231186   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 214841   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 88338    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.143  | 65    | 84370    | 67.403    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 134.800% |
| 35) Dibromofluoromethane      | 7.716  | 113   | 75754    | 53.229    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 106.460% |
| 50) Toluene-d8                | 10.179 | 98    | 283844   | 54.885    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 109.760% |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 85643    | 44.790    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 89.580%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 2.119  | 50    | 273      | Below Cal | #      | 84       |
| 5) Bromomethane               | 2.662  | 94    | 291      | Below Cal |        | 98       |
| 11) Tert butyl alcohol        | 4.948  | 59    | 413      | Below Cal | #      | 77       |
| 18) Methyl Acetate            | 4.485  | 43    | 21       | Below Cal | #      | 56       |
| 20) Methylene Chloride        | 4.716  | 84    | 9769     | Below Cal | #      | 89       |
| 31) Cyclohexane               | 7.789  | 56    | 2842     | 1.370     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 10120    | 4.549     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.795  | 117   | 12353    | 4.963     | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 45038    | 47.342    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 45038    | 103.694   | ug/l # | 7        |
| 95) Naphthalene               | 15.239 | 128   | 332      | 4.118     | ug/l # | 69       |
| -----                         |        |       |          |           |        |          |

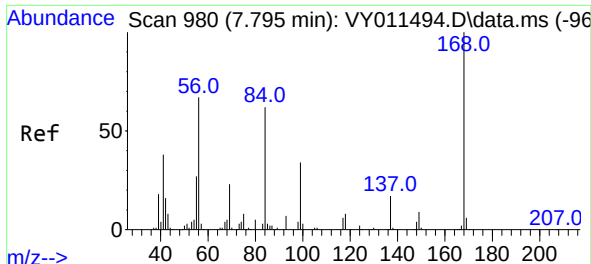
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
ClientSampleId :

Quant Time: Nov 23 04:07:20 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
Quant Title : SW846 8260  
QLast Update : Sat Nov 19 22:37:14 2022  
Response via : Initial Calibration

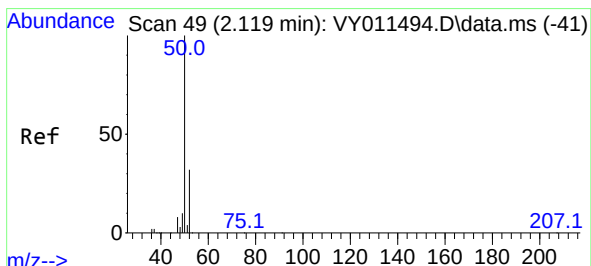
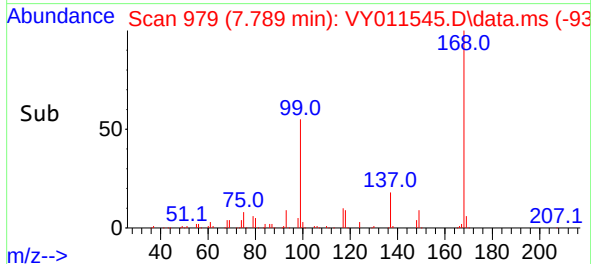
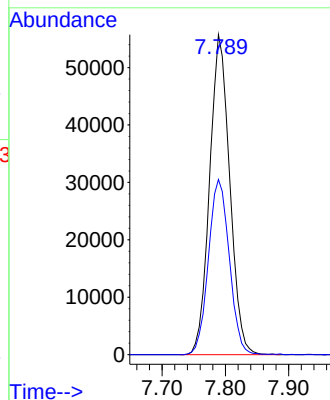
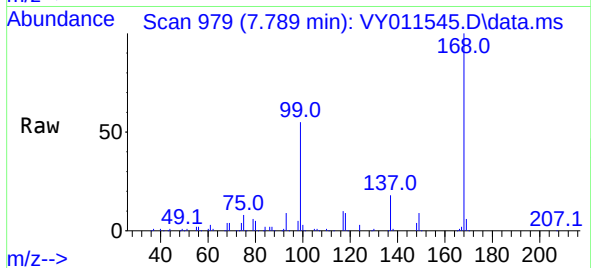




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY011545.D  
Acq: 22 Nov 2022 14:04

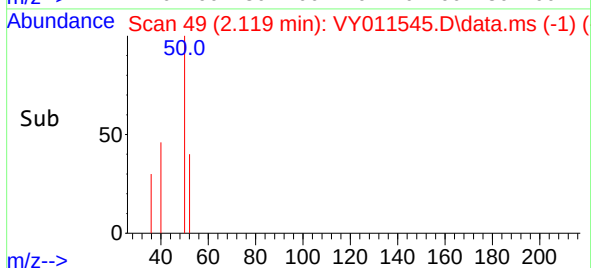
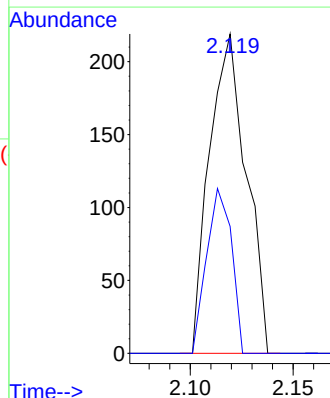
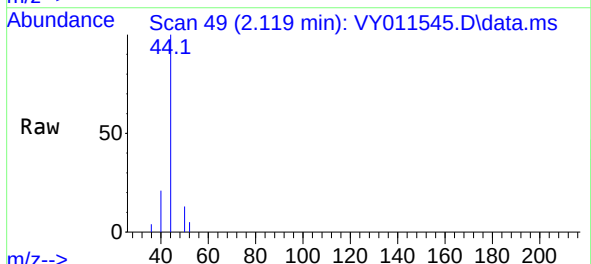
Instrument :  
MSVOA\_Y  
ClientSampleId :

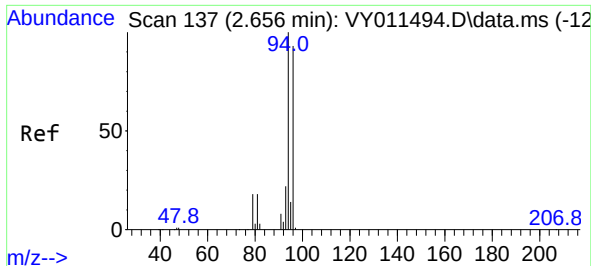
Tgt Ion:168 Resp: 123275  
Ion Ratio Lower Upper  
168 100  
99 54.8 46.9 70.3



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.119 min Scan# 49  
Delta R.T. 0.000 min  
Lab File: VY011545.D  
Acq: 22 Nov 2022 14:04

Tgt Ion: 50 Resp: 273  
Ion Ratio Lower Upper  
50 100  
52 39.7 24.6 37.0#

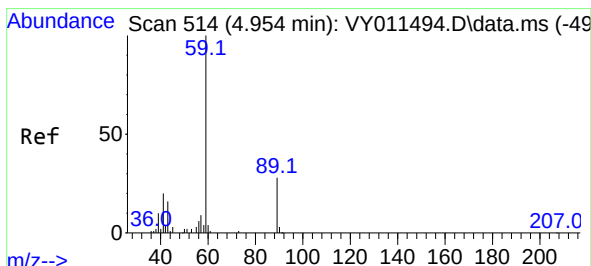
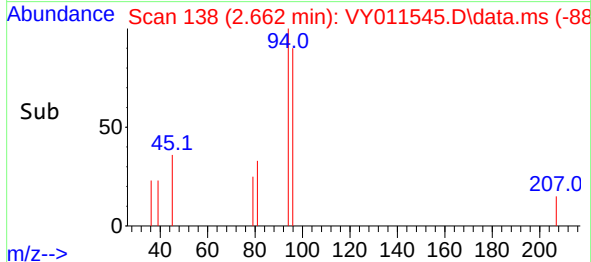
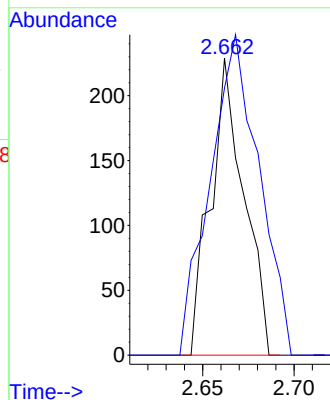
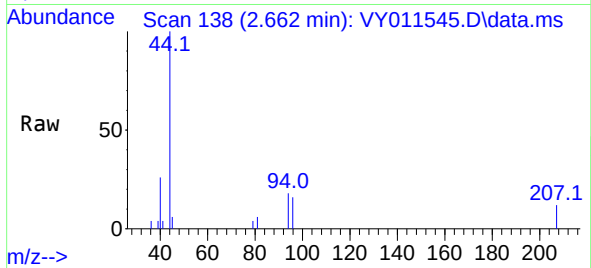




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.662 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY011545.D  
Acq: 22 Nov 2022 14:04

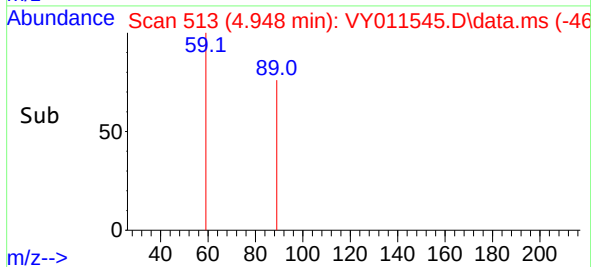
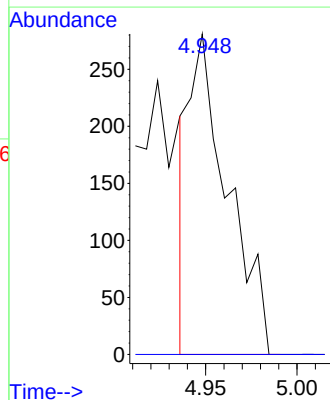
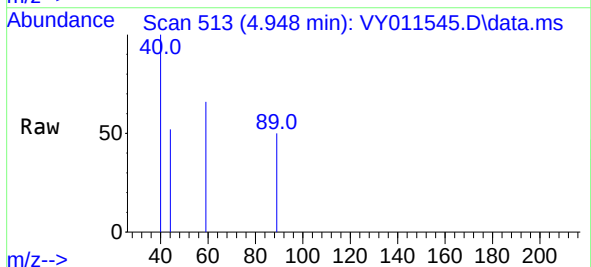
Instrument :  
MSVOA\_Y  
ClientSampleId :

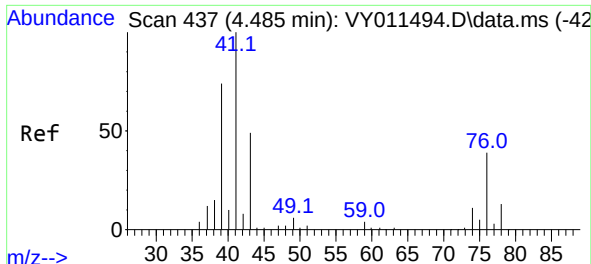
Tgt Ion: 94 Resp: 291  
Ion Ratio Lower Upper  
94 100  
96 90.0 73.5 110.3



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.948 min Scan# 513  
Delta R.T. -0.006 min  
Lab File: VY011545.D  
Acq: 22 Nov 2022 14:04

Tgt Ion: 59 Resp: 413  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#

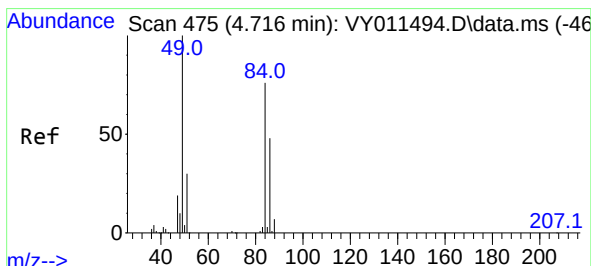
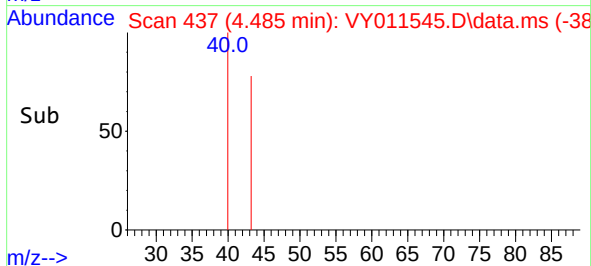
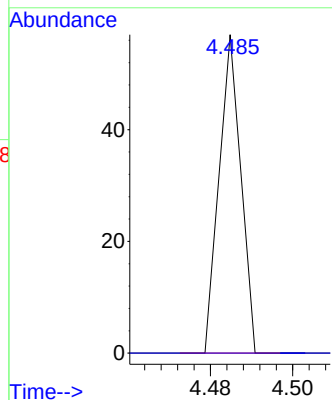
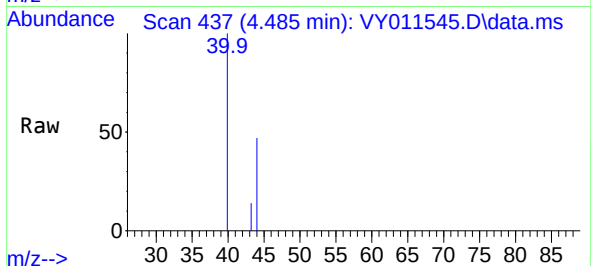




#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.485 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VY011545.D  
Acq: 22 Nov 2022 14:04

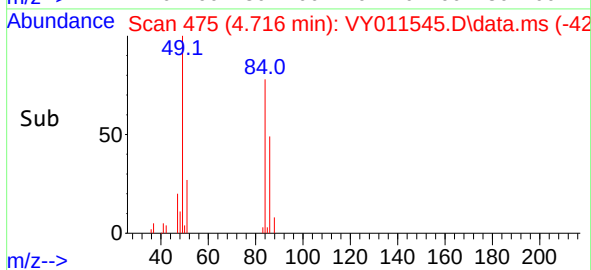
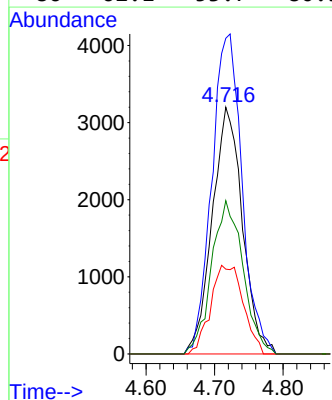
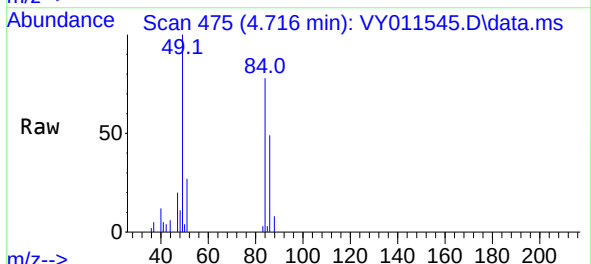
Instrument :  
MSVOA\_Y  
ClientSampleId :

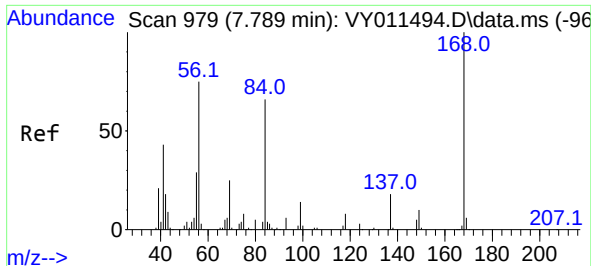
Tgt Ion: 43 Resp: 21  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 24.8#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.716 min Scan# 475  
Delta R.T. 0.000 min  
Lab File: VY011545.D  
Acq: 22 Nov 2022 14:04

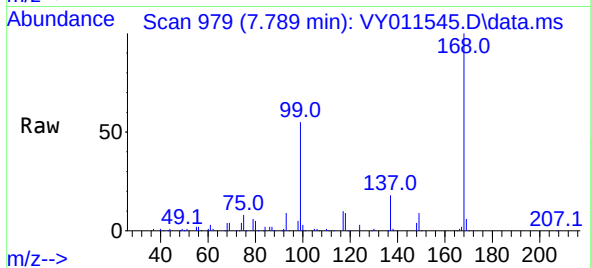
Tgt Ion: 84 Resp: 9769  
Ion Ratio Lower Upper  
84 100  
49 128.0 114.4 171.6  
51 34.3 35.3 52.9#  
86 62.1 53.7 80.5



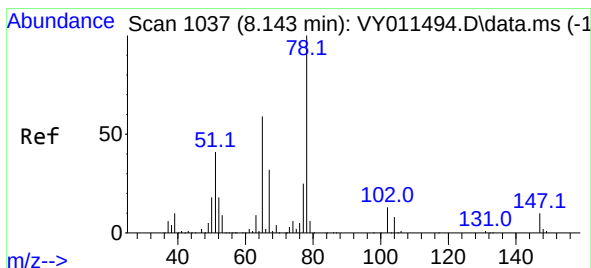
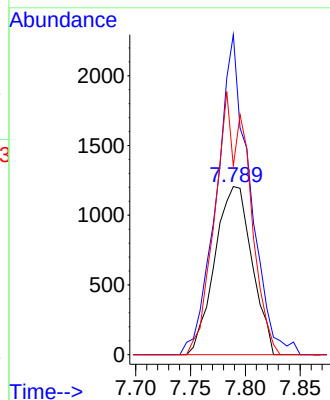
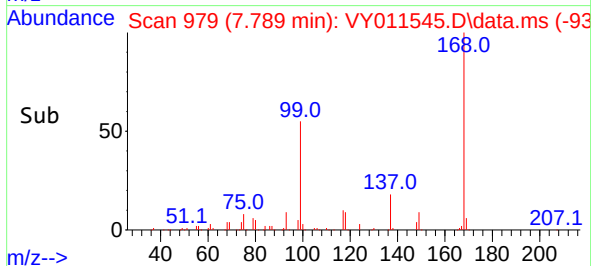


#31  
Cyclohexane  
Concen: 1.370 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY011545.D  
Acq: 22 Nov 2022 14:04

Instrument :  
MSVOA\_Y  
ClientSampleId :

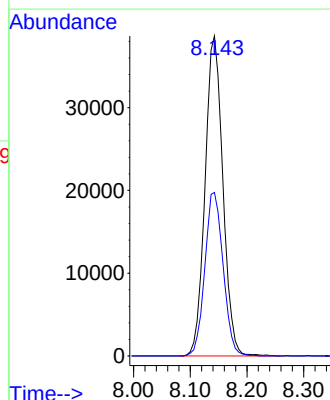
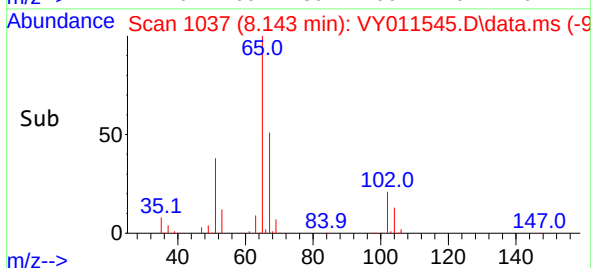
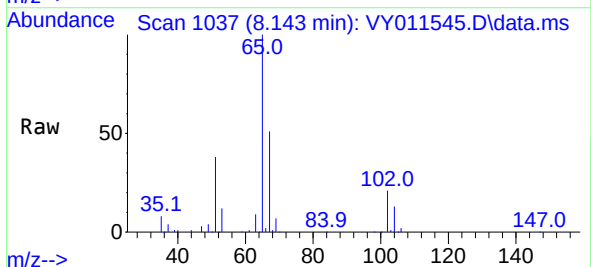


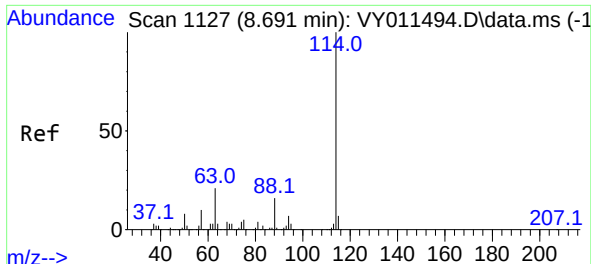
Tgt Ion: 56 Resp: 2842  
Ion Ratio Lower Upper  
56 100  
69 190.3 26.7 40.1#  
84 112.2 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 67.403 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY011545.D  
Acq: 22 Nov 2022 14:04

Tgt Ion: 65 Resp: 84370  
Ion Ratio Lower Upper  
65 100  
67 52.4 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011545.D

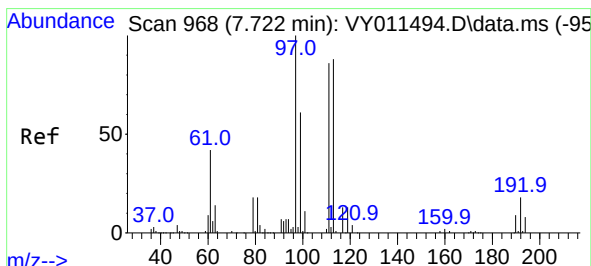
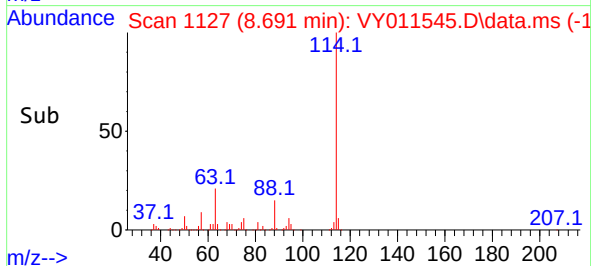
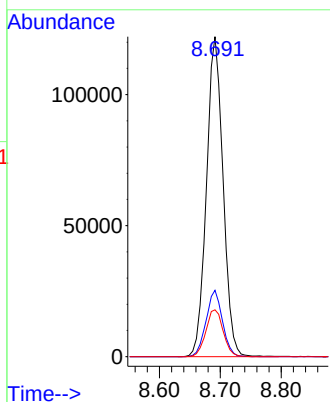
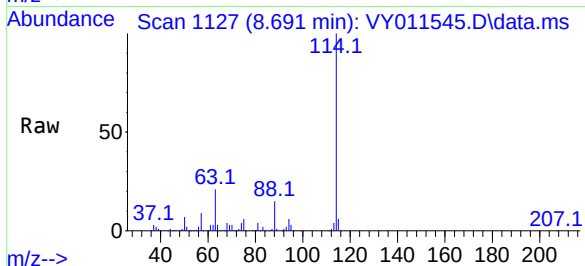
Acq: 22 Nov 2022 14:04

Instrument :

MSVOA\_Y

ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:114 | Resp: | 231186      |
| Ion         | Ratio | Lower Upper |
| 114         | 100   |             |
| 63          | 20.7  | 0.0 43.2    |
| 88          | 14.6  | 0.0 31.8    |



#35

Dibromofluoromethane

Concen: 53.229 ug/l

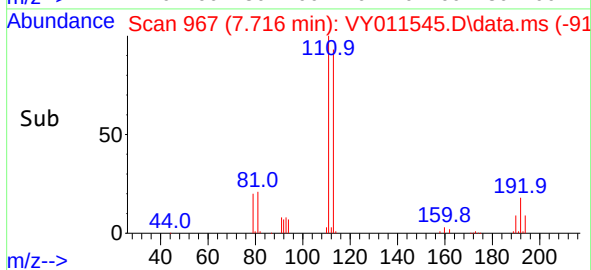
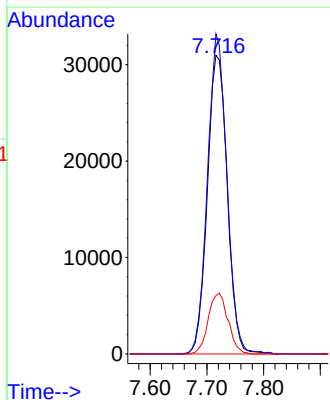
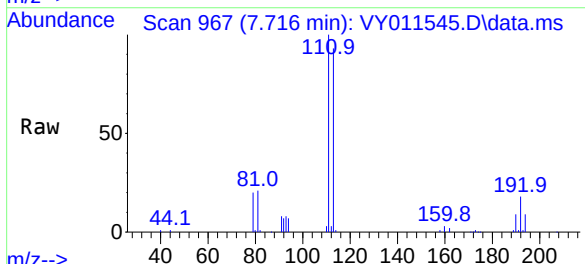
RT: 7.716 min Scan# 967

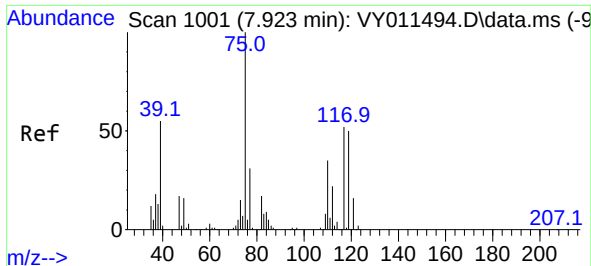
Delta R.T. -0.006 min

Lab File: VY011545.D

Acq: 22 Nov 2022 14:04

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:113 | Resp: | 75754       |
| Ion         | Ratio | Lower Upper |
| 113         | 100   |             |
| 111         | 104.4 | 82.6 124.0  |
| 192         | 20.2  | 17.6 26.4   |





#36

1,1-Dichloropropene

Concen: 4.549 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011545.D

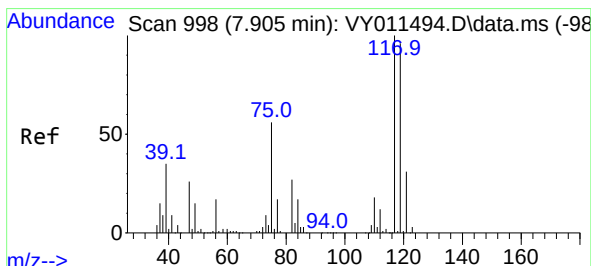
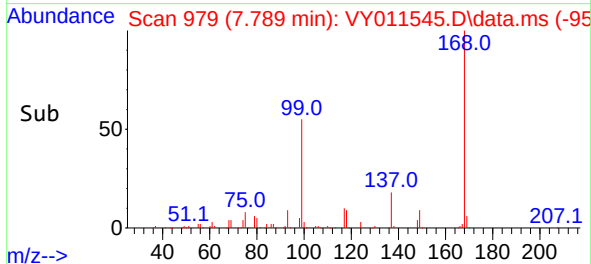
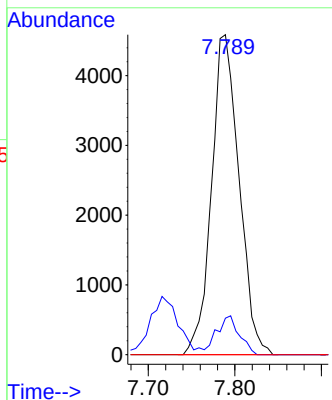
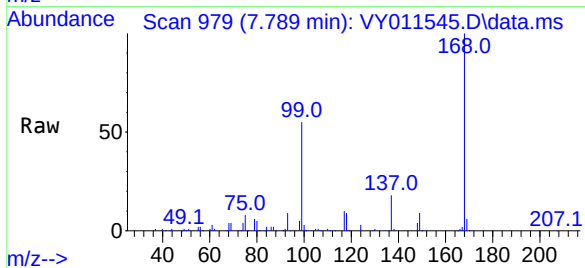
Acq: 22 Nov 2022 14:04

Instrument :

MSVOA\_Y

ClientSampleId :

|             |                |
|-------------|----------------|
| Tgt Ion: 75 | Resp: 10120    |
| Ion Ratio   | Lower Upper    |
| 75          | 100            |
| 110         | 9.9 17.1 51.2# |
| 77          | 0.0 24.4 36.6# |



#38

Carbon Tetrachloride

Concen: 4.963 ug/l

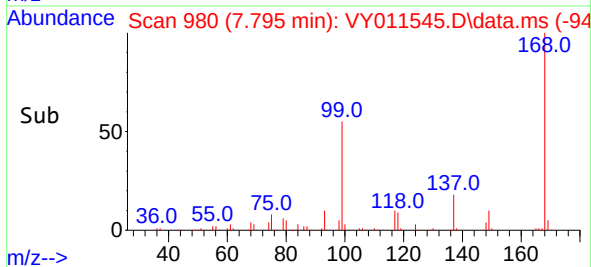
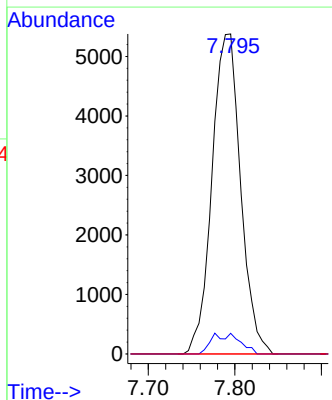
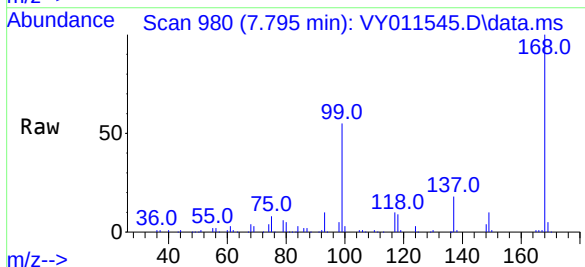
RT: 7.795 min Scan# 980

Delta R.T. -0.110 min

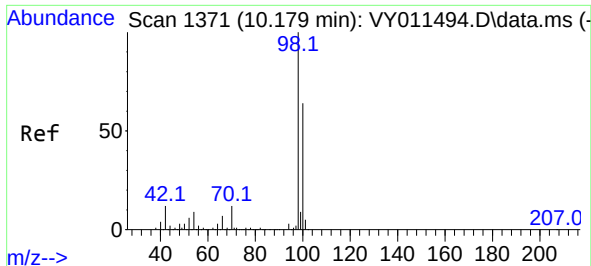
Lab File: VY011545.D

Acq: 22 Nov 2022 14:04

|              |                 |
|--------------|-----------------|
| Tgt Ion: 117 | Resp: 12353     |
| Ion Ratio    | Lower Upper     |
| 117          | 100             |
| 119          | 6.5 77.9 116.9# |
| 121          | 0.0 24.8 37.2#  |



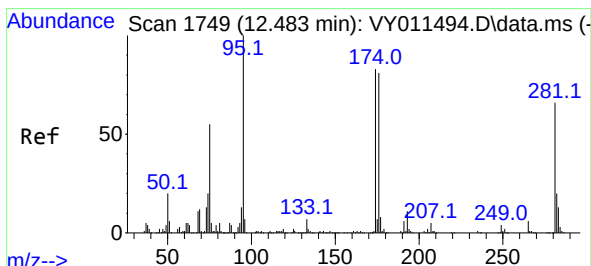
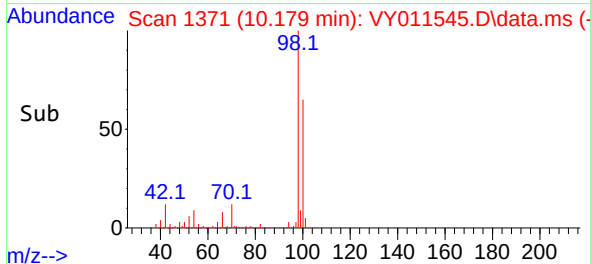
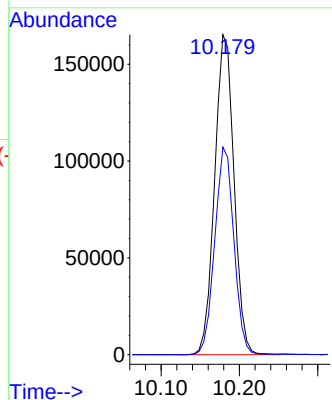
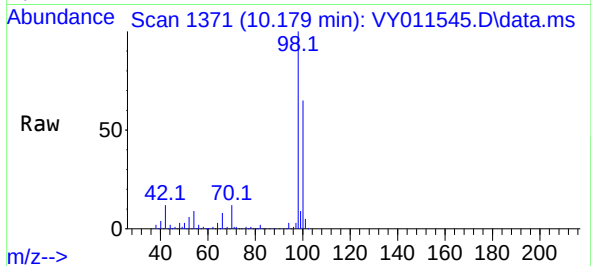




#50  
Toluene-d8  
Concen: 54.885 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY011545.D  
Acq: 22 Nov 2022 14:04

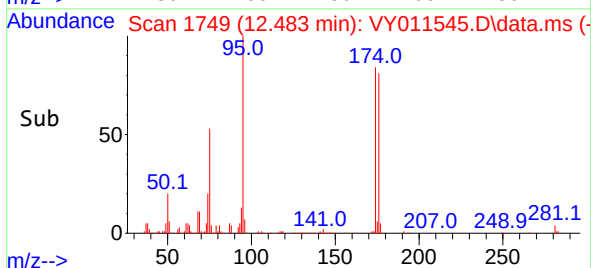
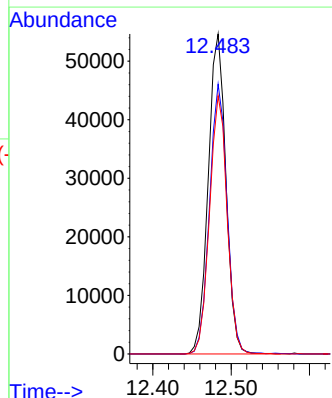
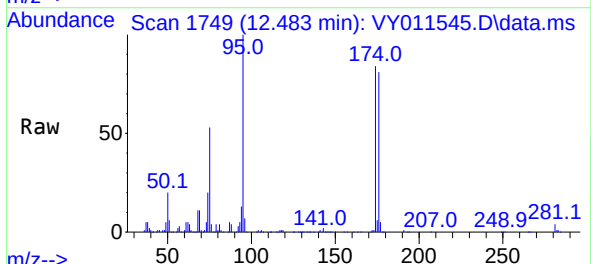
Instrument :  
MSVOA\_Y  
ClientSampleId :

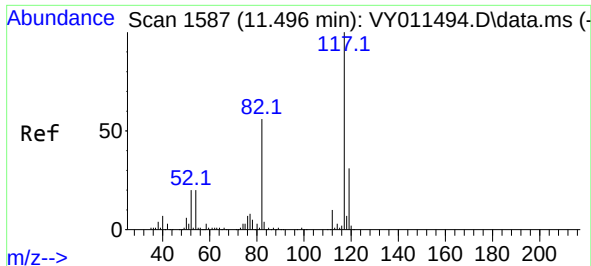
Tgt Ion: 98 Resp: 283844  
Ion Ratio Lower Upper  
98 100  
100 64.4 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 44.790 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY011545.D  
Acq: 22 Nov 2022 14:04

Tgt Ion: 95 Resp: 85643  
Ion Ratio Lower Upper  
95 100  
174 83.8 0.0 177.0  
176 80.0 0.0 175.8

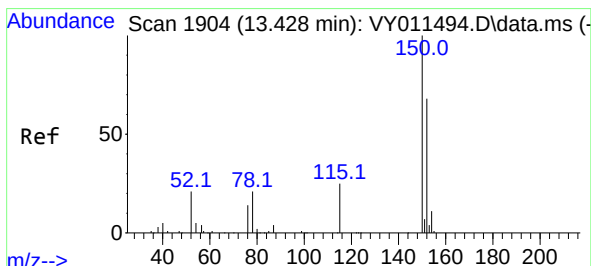
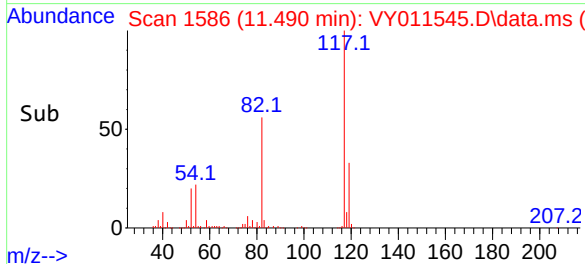
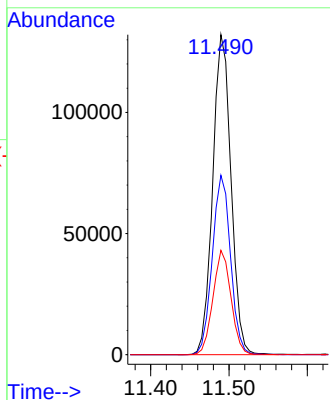
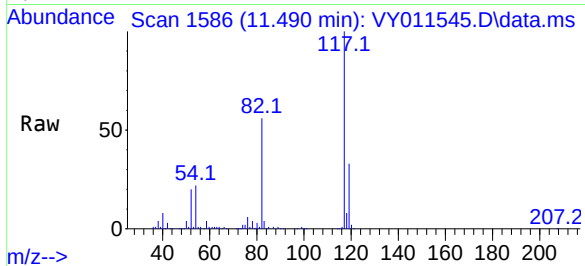




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 117  
Delta R.T. -0.006 min  
Lab File: VY011545.D  
Acq: 22 Nov 2022 14:04

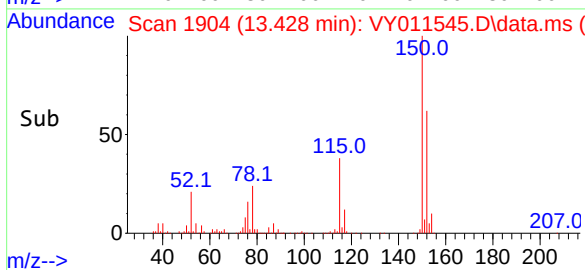
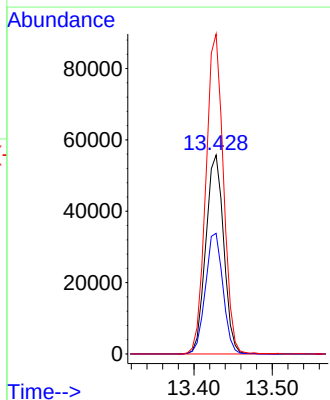
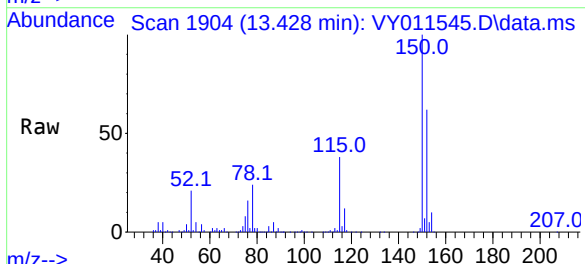
Instrument :  
MSVOA\_Y  
ClientSampleId :

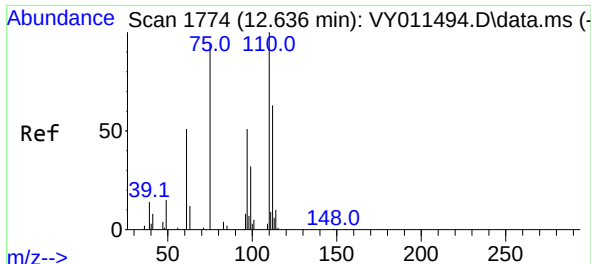
Tgt Ion:117 Resp: 214841  
Ion Ratio Lower Upper  
117 100  
82 56.1 43.0 64.4  
119 32.6 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY011545.D  
Acq: 22 Nov 2022 14:04

Tgt Ion:152 Resp: 88338  
Ion Ratio Lower Upper  
152 100  
115 59.6 28.2 84.7  
150 157.6 0.0 347.6

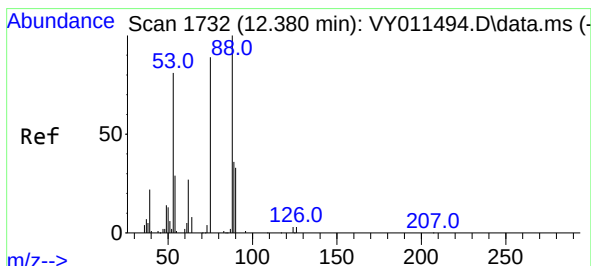
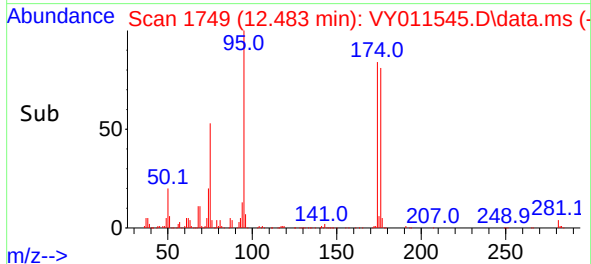
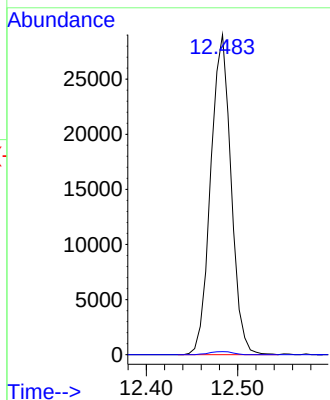
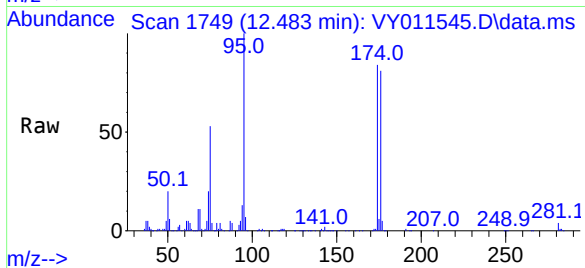




#76  
1,2,3-Trichloropropane  
Concen: 47.342 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.153 min  
Lab File: VY011545.D  
Acq: 22 Nov 2022 14:04

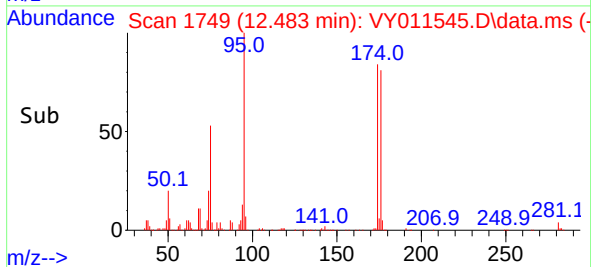
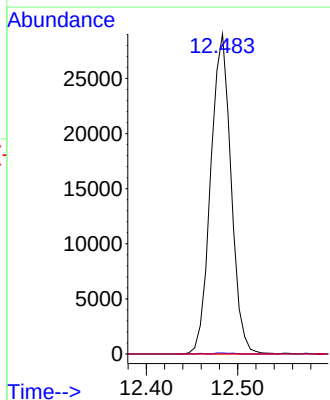
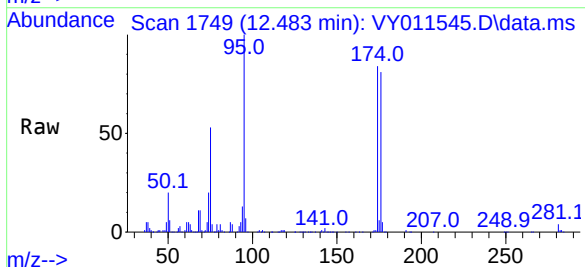
Instrument :  
MSVOA\_Y  
ClientSampleId :

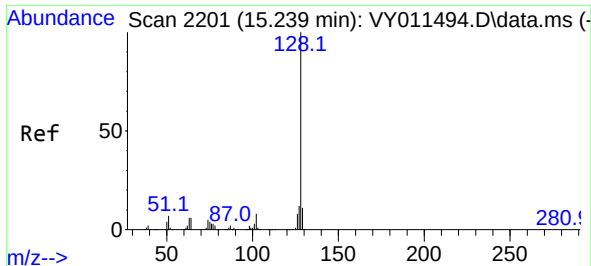
Tgt Ion: 75 Resp: 45038  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 103.694 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.103 min  
Lab File: VY011545.D  
Acq: 22 Nov 2022 14:04

Tgt Ion: 75 Resp: 45038  
Ion Ratio Lower Upper  
75 100  
53 0.2 85.3 127.9#  
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 4.118 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

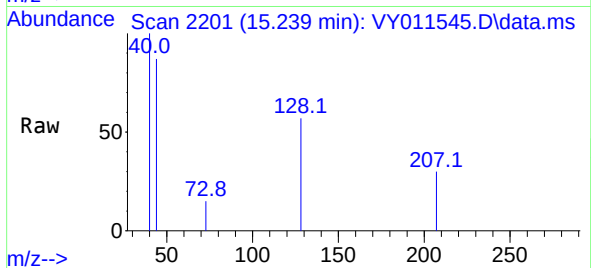
Lab File: VY011545.D

Acq: 22 Nov 2022 14:04

Instrument :

MSVOA\_Y

ClientSampleId :



Tgt Ion:128 Resp: 332

Ion Ratio Lower Upper

128 100

127 0.0 11.0 16.4#

129 0.0 8.4 12.6#

