

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062522\  
 Data File : VY009323.D  
 Acq On : 25 Jun 2022 14:58  
 Operator : KP/MD  
 Sample : N3488-03  
 Misc : 5.39g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jun 27 10:28:46 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062422S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 25 07:08:46 2022  
 Response via : Initial Calibration

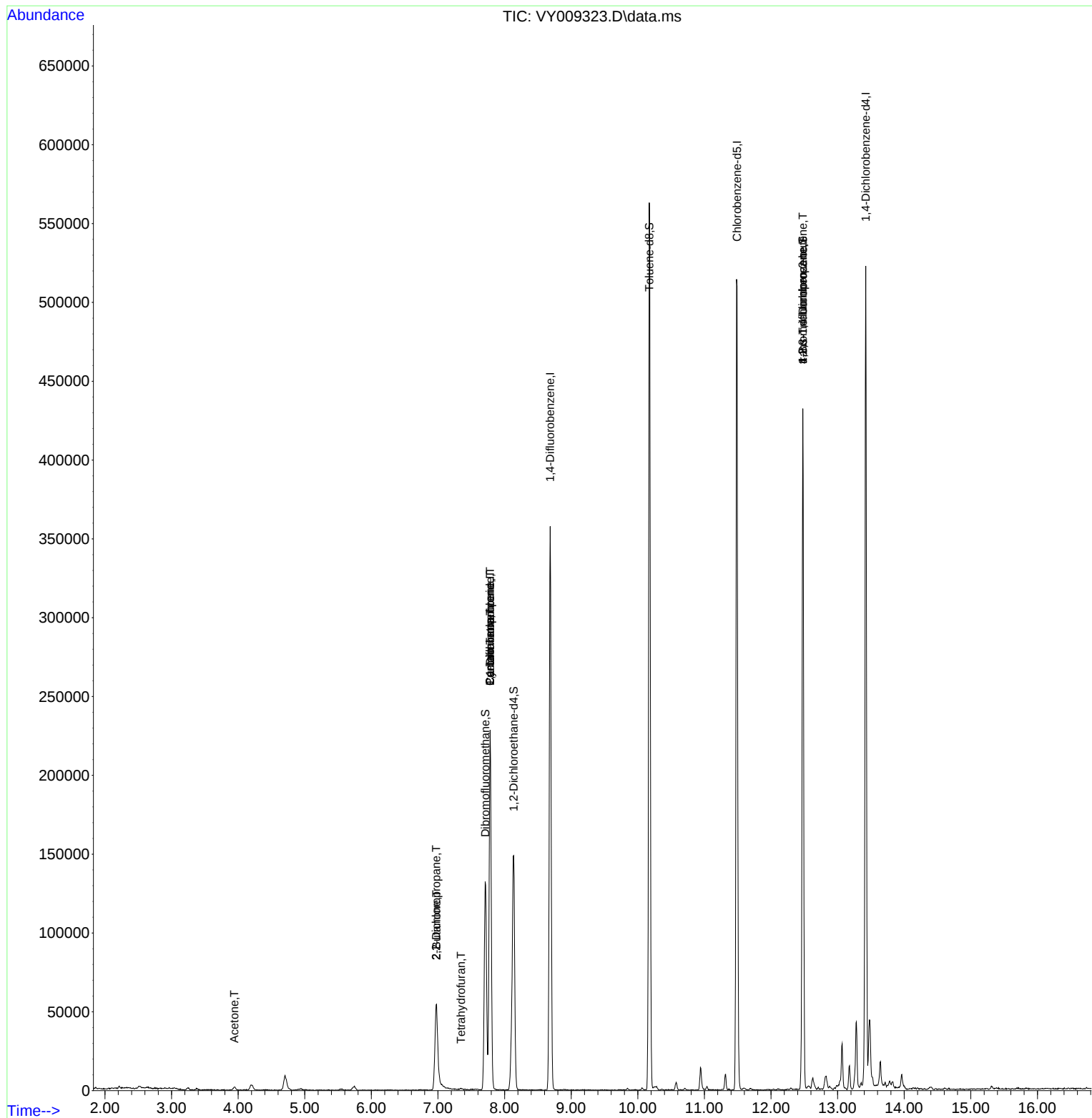
| Compound                      | R.T.   | QIon  | Response | Conc      | Units       | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|-------------|----------|
| -----                         |        |       |          |           |             |          |
| Internal Standards            |        |       |          |           |             |          |
| 1) Pentafluorobenzene         | 7.783  | 168   | 176168   | 50.000    | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 302136   | 50.000    | ug/l        | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 279714   | 50.000    | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 131495   | 50.000    | ug/l        | 0.00     |
| System Monitoring Compounds   |        |       |          |           |             |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65    | 103401   | 80.762    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 161.520%  |          |
| 35) Dibromofluoromethane      | 7.710  | 113   | 93927    | 57.596    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 115.200%  |          |
| 50) Toluene-d8                | 10.173 | 98    | 364430   | 80.645    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 161.300%# |          |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 121902   | 52.485    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 104.960%  |          |
| Target Compounds              |        |       |          |           |             |          |
|                               |        |       |          |           | Qvalue      |          |
| 11) Tert butyl alcohol        | 4.942  | 59    | 458      | Below Cal | #           | 78       |
| 16) Acetone                   | 3.942  | 43    | 3384     | 7.514     | ug/l        | 99       |
| 20) Methylene Chloride        | 4.704  | 84    | 6531     | Below Cal |             | 99       |
| 25) 2-Butanone                | 6.978  | 43    | 3477     | 5.134     | ug/l #      | 73       |
| 26) 2,2-Dichloropropane       | 6.972  | 77    | 4275     | 1.398     | ug/l #      | 52       |
| 29) Tetrahydrofuran           | 7.344  | 42    | 582      | 1.339     | ug/l #      | 72       |
| 31) Cyclohexane               | 7.783  | 56    | 3500     | 1.099     | ug/l #      | 1        |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 12855    | 4.697     | ug/l #      | 49       |
| 38) Carbon Tetrachloride      | 7.783  | 117   | 16905    | 6.007     | ug/l #      | 17       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 63301    | 49.607    | ug/l #      | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 63301    | 98.199    | ug/l #      | 14       |
| -----                         |        |       |          |           |             |          |

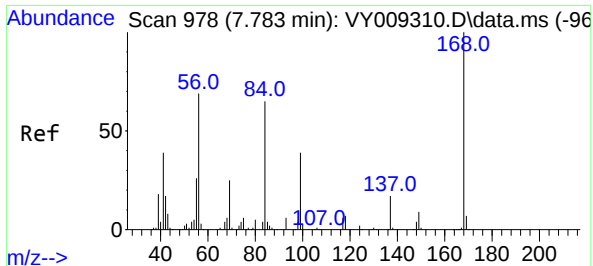
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : N3488-03  
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Instrument :  
MSVOA\_Y  
ClientSampleId :

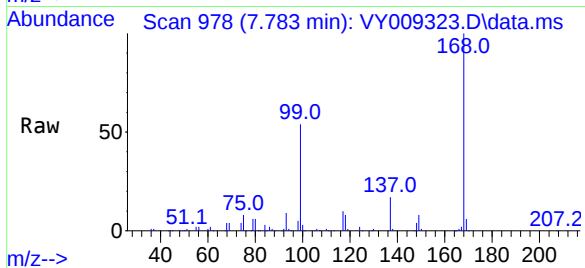
Quant Time: Jun 27 10:28:46 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062422S.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 25 07:08:46 2022  
Response via : Initial Calibration



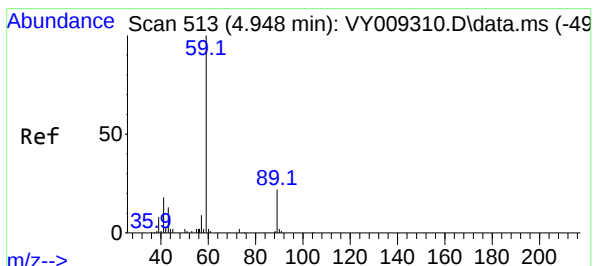
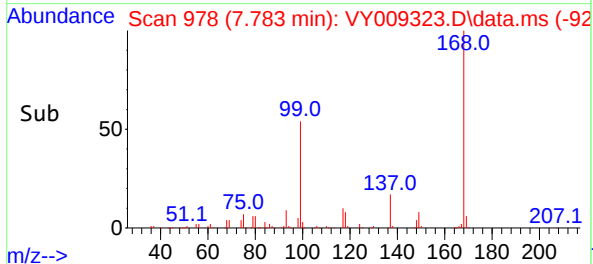
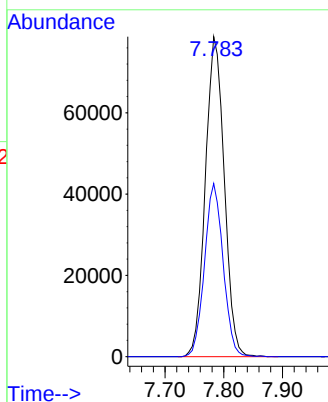


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009323.D  
Acq: 25 Jun 2022 14:58

Instrument :  
MSVOA\_Y  
ClientSampleId :

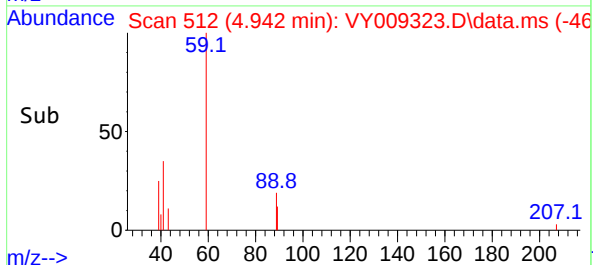
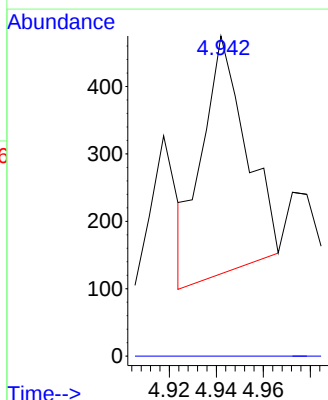
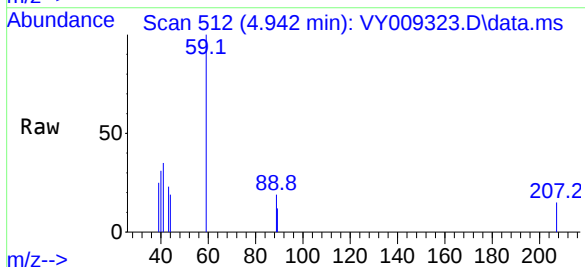


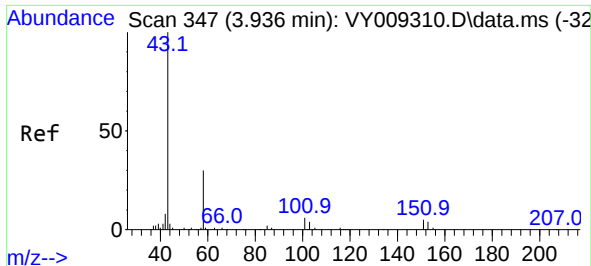
Tgt Ion:168 Resp: 176168  
Ion Ratio Lower Upper  
168 100  
99 54.1 42.1 63.1



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.942 min Scan# 512  
Delta R.T. -0.006 min  
Lab File: VY009323.D  
Acq: 25 Jun 2022 14:58

Tgt Ion: 59 Resp: 458  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.3 9.5#

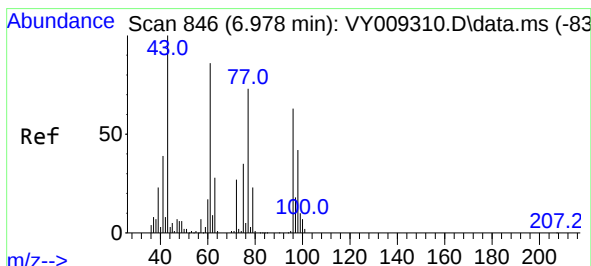
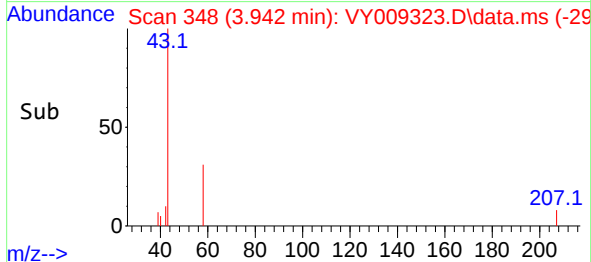
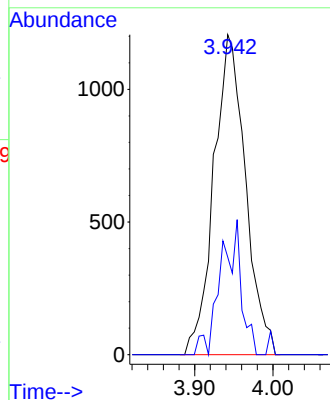
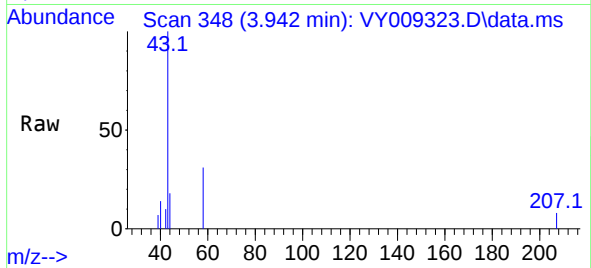




#16  
Acetone  
Concen: 7.514 ug/l  
RT: 3.942 min Scan# 347  
Delta R.T. 0.006 min  
Lab File: VY009323.D  
Acq: 25 Jun 2022 14:58

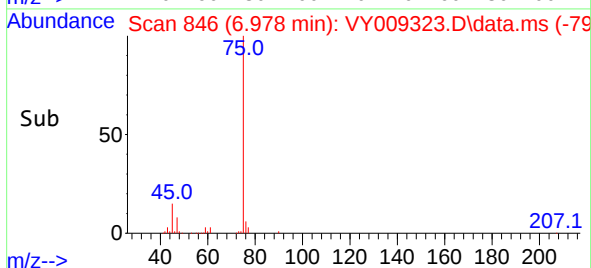
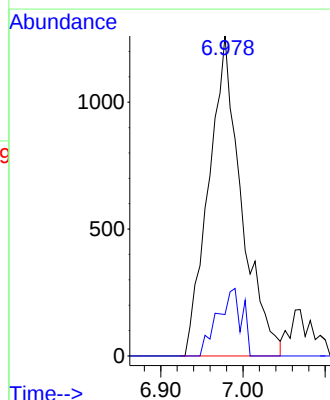
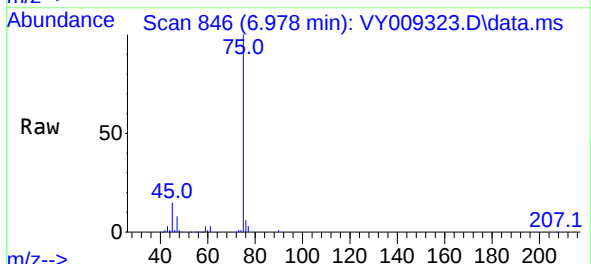
Instrument :  
MSVOA\_Y  
ClientSampleId :

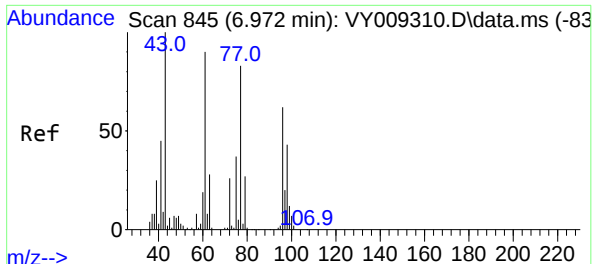
Tgt Ion: 43 Resp: 3384  
Ion Ratio Lower Upper  
43 100  
58 30.5 24.0 36.0



#25  
2-Butanone  
Concen: 5.134 ug/l  
RT: 6.978 min Scan# 846  
Delta R.T. 0.000 min  
Lab File: VY009323.D  
Acq: 25 Jun 2022 14:58

Tgt Ion: 43 Resp: 3477  
Ion Ratio Lower Upper  
43 100  
72 12.9 21.5 32.3#





#26

2,2-Dichloropropane

Concen: 1.398 ug/l

RT: 6.972 min Scan# 845

Delta R.T. 0.000 min

Lab File: VY009323.D

Acq: 25 Jun 2022 14:58

Instrument :

MSVOA\_Y

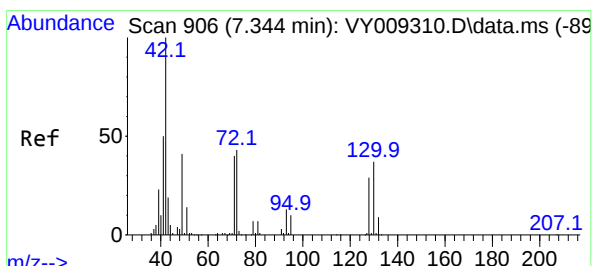
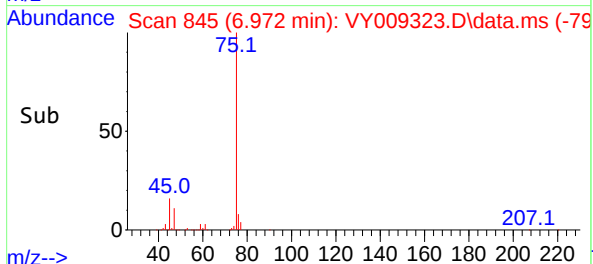
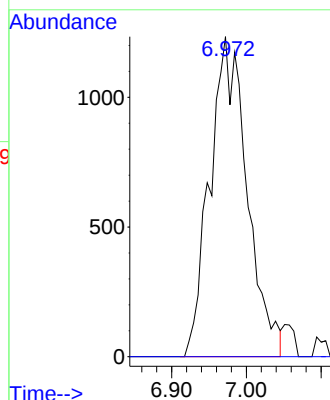
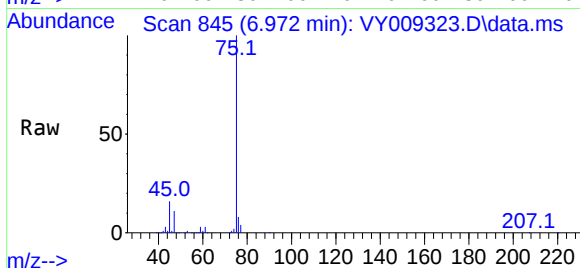
ClientSampleId :

Tgt Ion: 77 Resp: 4275

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#



#29

Tetrahydrofuran

Concen: 1.339 ug/l

RT: 7.344 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY009323.D

Acq: 25 Jun 2022 14:58

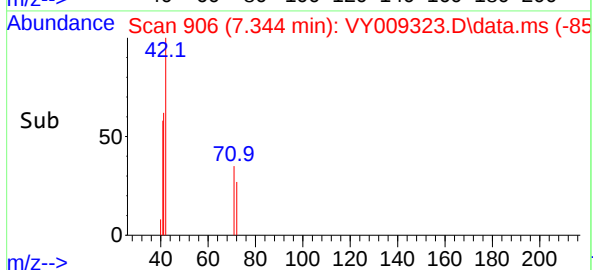
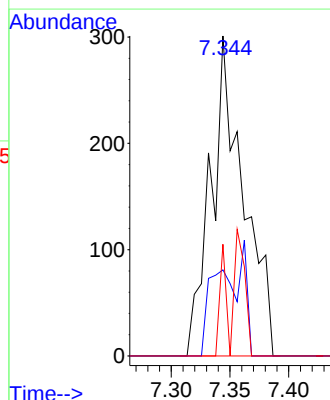
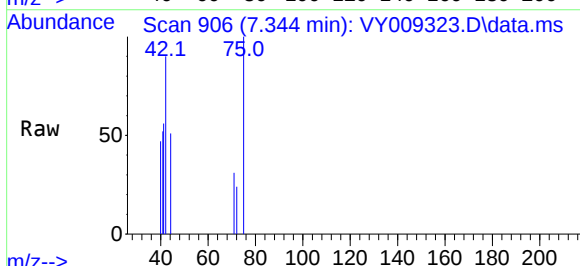
Tgt Ion: 42 Resp: 582

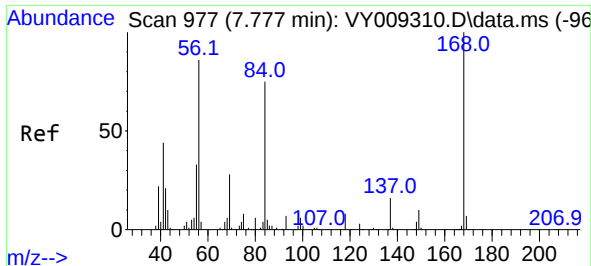
Ion Ratio Lower Upper

42 100

72 28.9 34.6 52.0#

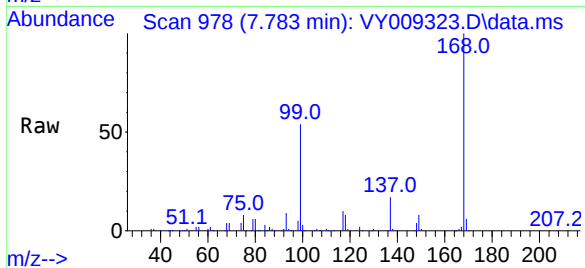
71 19.4 32.7 49.1#



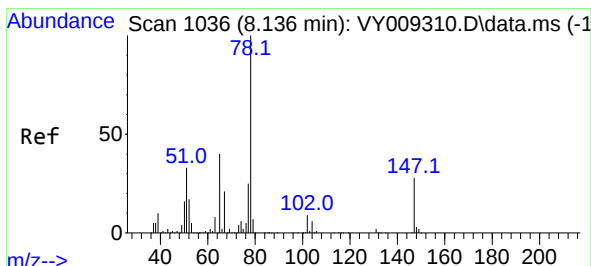
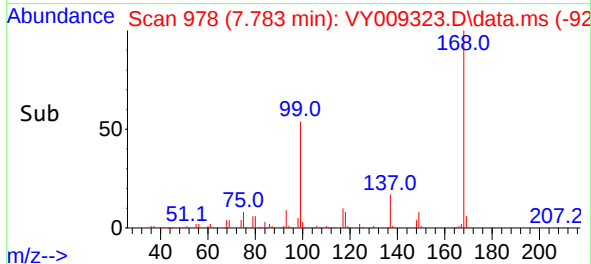
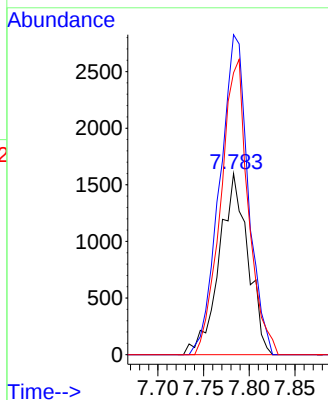


#31  
Cyclohexane  
Concen: 1.099 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY009323.D  
Acq: 25 Jun 2022 14:58

Instrument :  
MSVOA\_Y  
ClientSampleId :

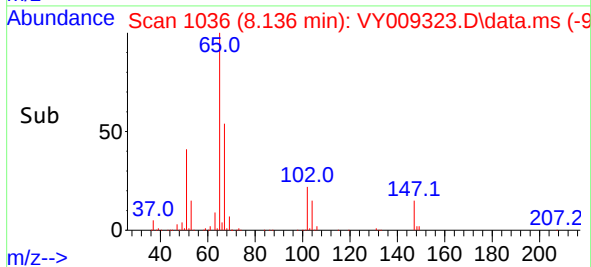
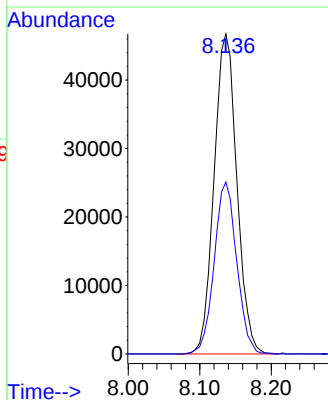
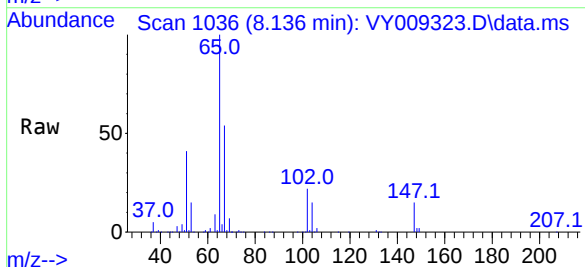


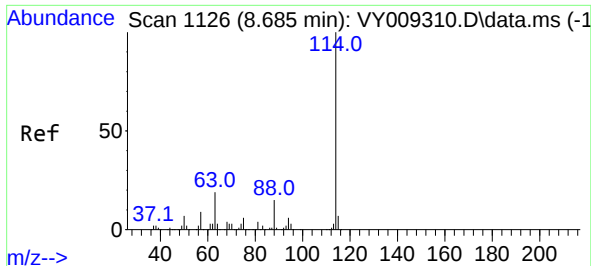
Tgt Ion: 56 Resp: 3500  
Ion Ratio Lower Upper  
56 100  
69 176.7 26.0 39.0#  
84 173.4 69.5 104.3#



#33  
1,2-Dichloroethane-d4  
Concen: 80.762 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY009323.D  
Acq: 25 Jun 2022 14:58

Tgt Ion: 65 Resp: 103401  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 108.4

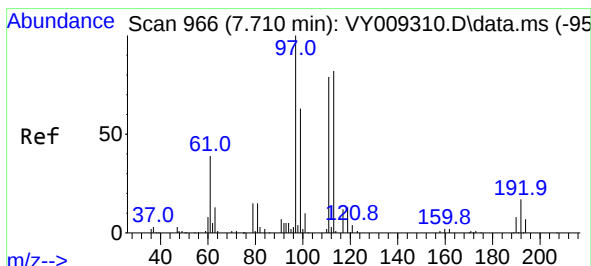
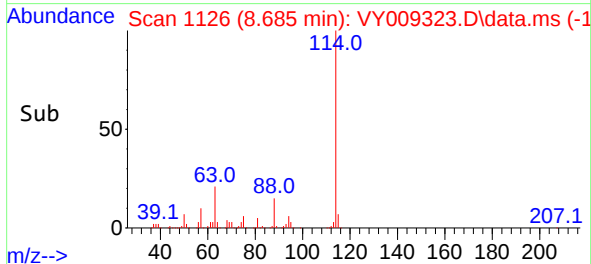
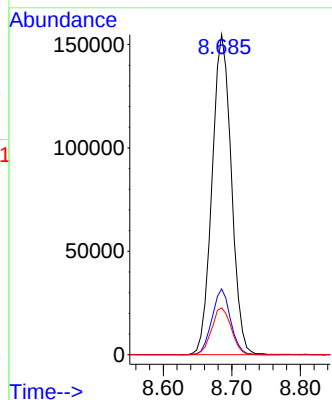
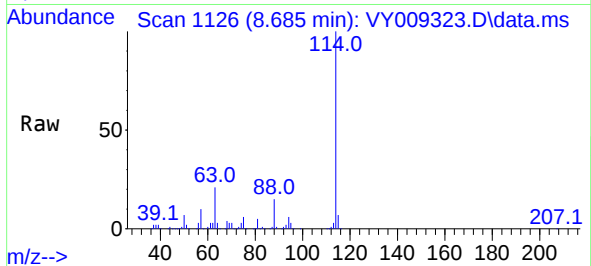




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VY009323.D  
Acq: 25 Jun 2022 14:58

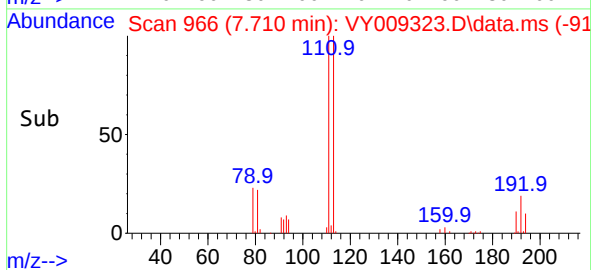
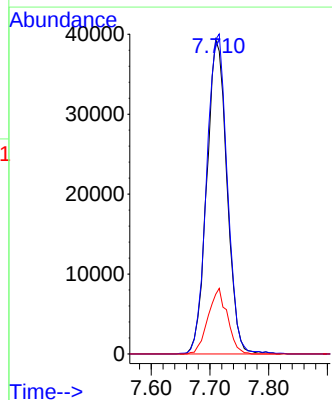
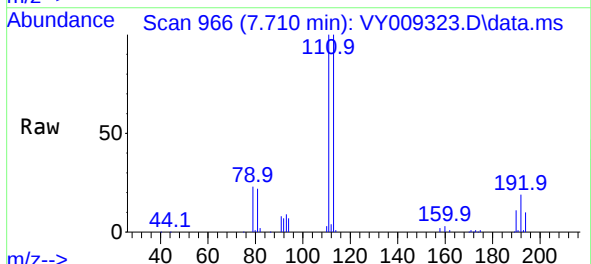
Instrument :  
MSVOA\_Y  
ClientSampleId :

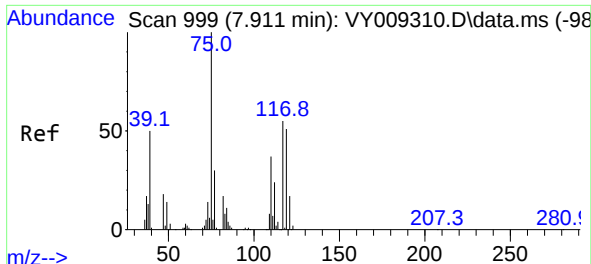
Tgt Ion:114 Resp: 302136  
Ion Ratio Lower Upper  
114 100  
63 20.6 0.0 38.0  
88 14.6 0.0 30.0



#35  
Dibromofluoromethane  
Concen: 57.596 ug/l  
RT: 7.710 min Scan# 966  
Delta R.T. 0.000 min  
Lab File: VY009323.D  
Acq: 25 Jun 2022 14:58

Tgt Ion:113 Resp: 93927  
Ion Ratio Lower Upper  
113 100  
111 103.7 80.6 120.8  
192 20.0 16.2 24.4

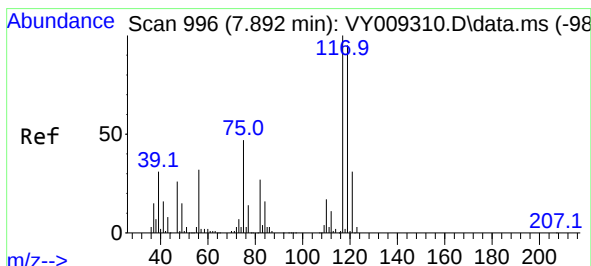
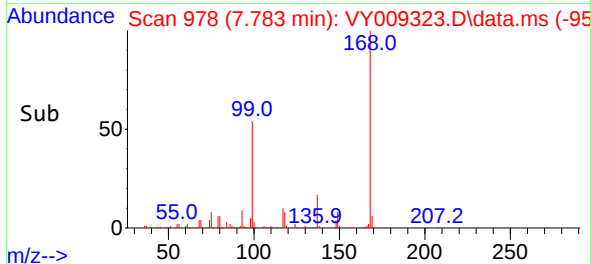
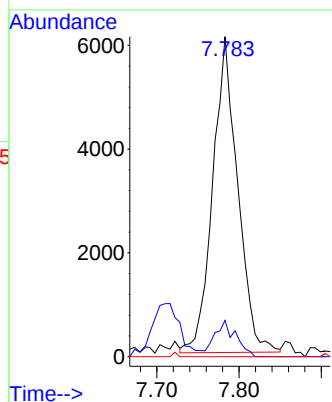
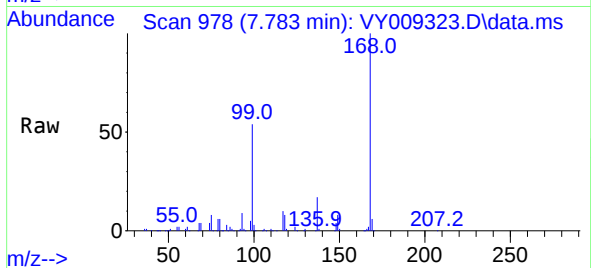




#36  
1,1-Dichloropropene  
Concen: 4.697 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.128 min  
Lab File: VY009323.D  
Acq: 25 Jun 2022 14:58

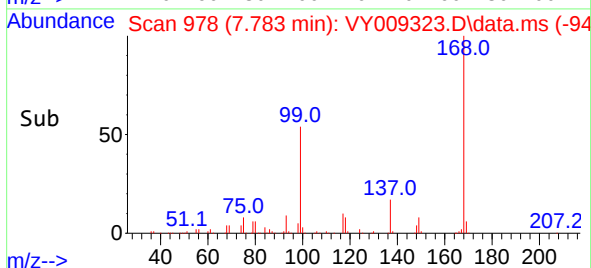
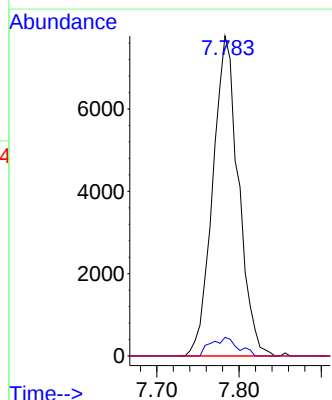
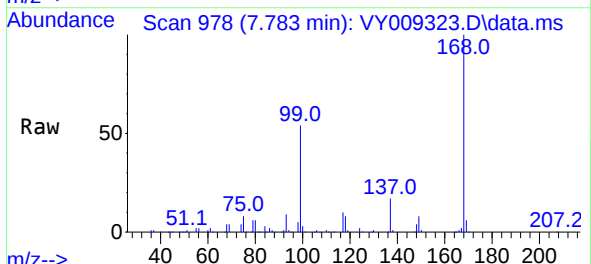
Instrument :  
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ClientSampleId :

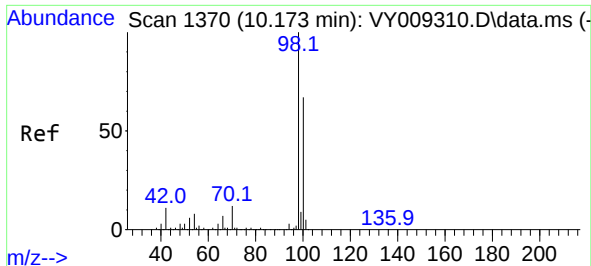
Tgt Ion: 75 Resp: 12855  
Ion Ratio Lower Upper  
75 100  
110 9.5 18.6 56.0#  
77 0.0 25.0 37.4#



#38  
Carbon Tetrachloride  
Concen: 6.007 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.110 min  
Lab File: VY009323.D  
Acq: 25 Jun 2022 14:58

Tgt Ion: 117 Resp: 16905  
Ion Ratio Lower Upper  
117 100  
119 5.8 75.9 113.9#  
121 0.0 24.9 37.3#

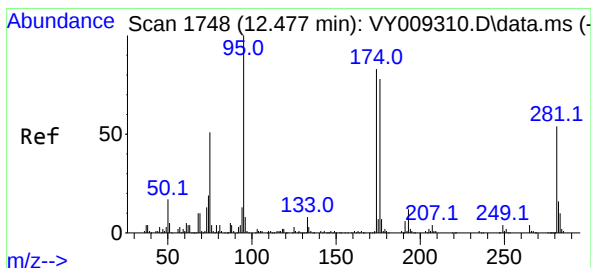
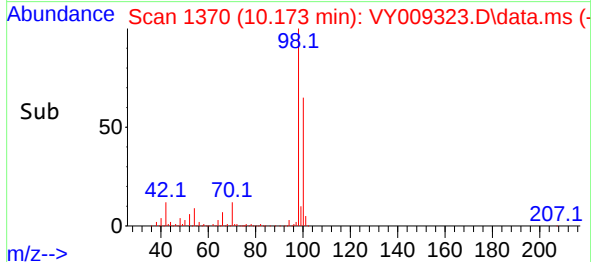
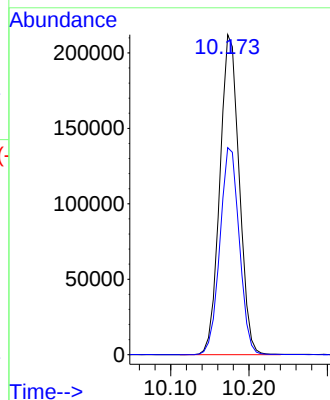
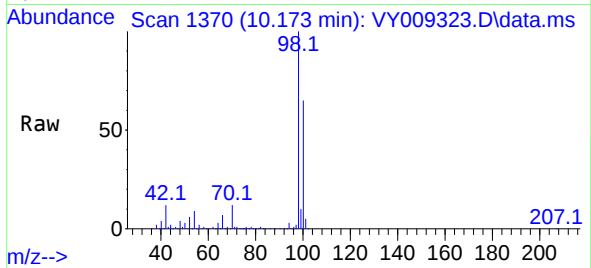




#50  
Toluene-d8  
Concen: 80.645 ug/l  
RT: 10.173 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY009323.D  
Acq: 25 Jun 2022 14:58

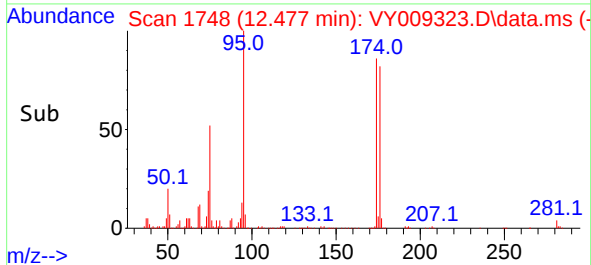
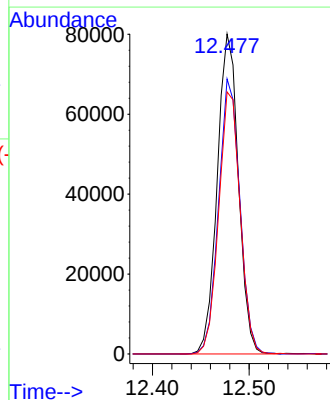
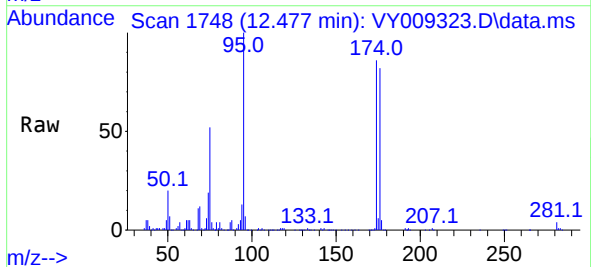
Instrument :  
MSVOA\_Y  
ClientSampleId :

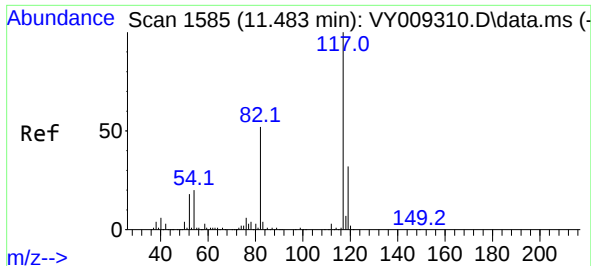
Tgt Ion: 98 Resp: 364430  
Ion Ratio Lower Upper  
98 100  
100 64.8 52.9 79.3



#62  
4-Bromofluorobenzene  
Concen: 52.485 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY009323.D  
Acq: 25 Jun 2022 14:58

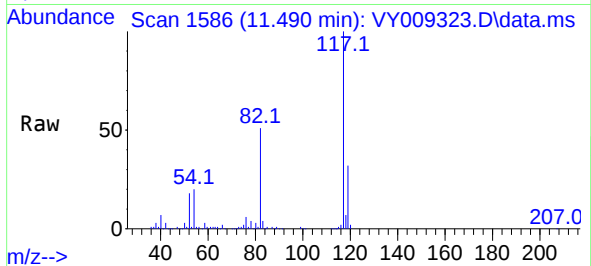
Tgt Ion: 95 Resp: 121902  
Ion Ratio Lower Upper  
95 100  
174 86.0 0.0 173.8  
176 82.8 0.0 167.0



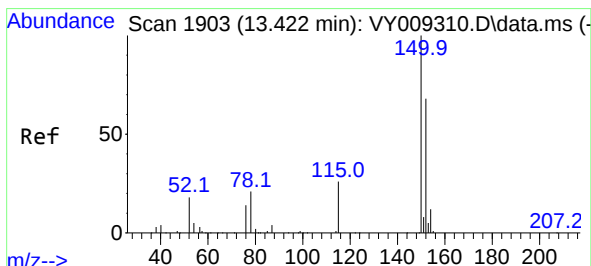
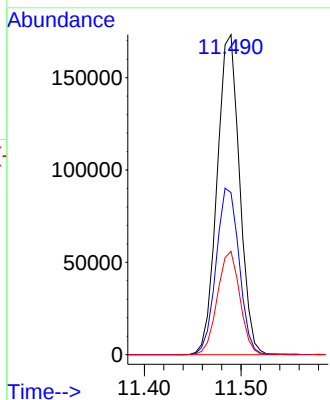
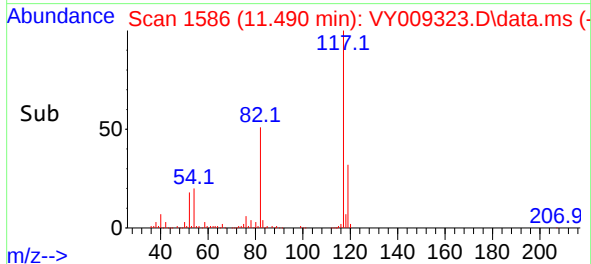


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 117  
Delta R.T. 0.007 min  
Lab File: VY009323.D  
Acq: 25 Jun 2022 14:58

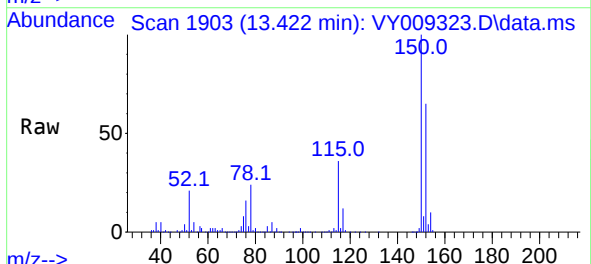
Instrument :  
MSVOA\_Y  
ClientSampleId :



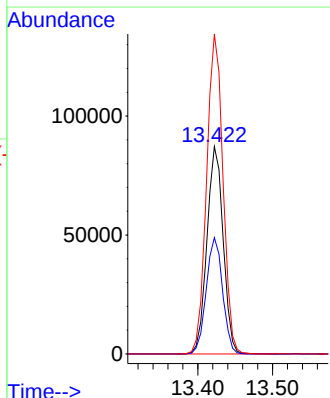
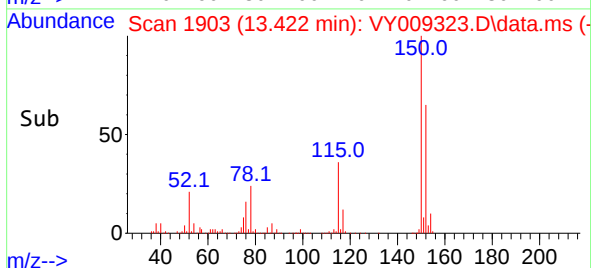
Tgt Ion:117 Resp: 279714  
Ion Ratio Lower Upper  
117 100  
82 50.7 41.8 62.6  
119 32.3 25.6 38.4

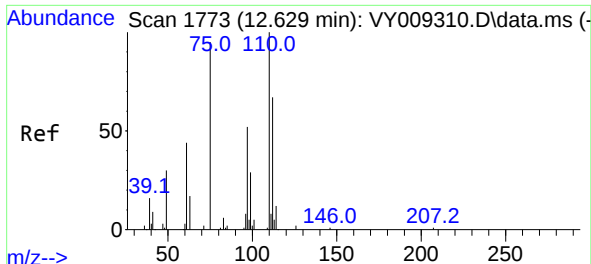


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY009323.D  
Acq: 25 Jun 2022 14:58



Tgt Ion:152 Resp: 131495  
Ion Ratio Lower Upper  
152 100  
115 56.4 28.6 85.9  
150 155.2 0.0 349.8

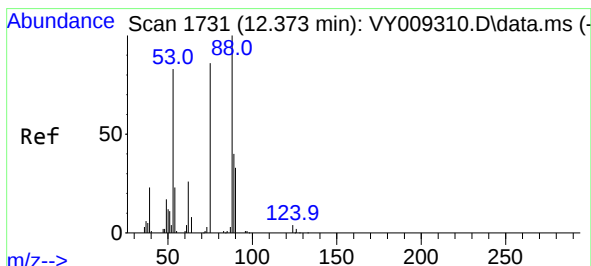
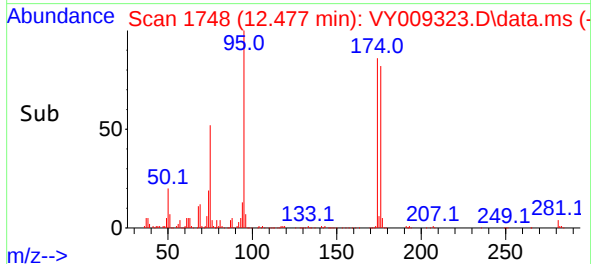
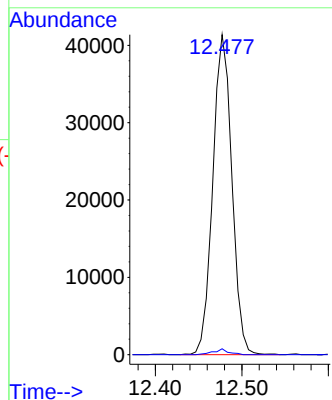
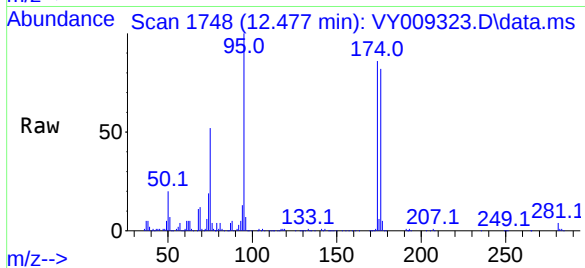




#76  
1,2,3-Trichloropropane  
Concen: 49.607 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.152 min  
Lab File: VY009323.D  
Acq: 25 Jun 2022 14:58

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 63301  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 98.199 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.104 min  
Lab File: VY009323.D  
Acq: 25 Jun 2022 14:58

Tgt Ion: 75 Resp: 63301  
Ion Ratio Lower Upper  
75 100  
53 0.6 71.4 107.2#  
89 0.1 38.1 57.1#

