

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042022\  
 Data File : VY008420.D  
 Acq On : 20 Apr 2022 15:54  
 Operator : KP/MD  
 Sample : N2451-06  
 Misc : 6.91g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-1120

Quant Time: Apr 21 02:39:42 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y040822S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 08 16:02:50 2022  
 Response via : Initial Calibration

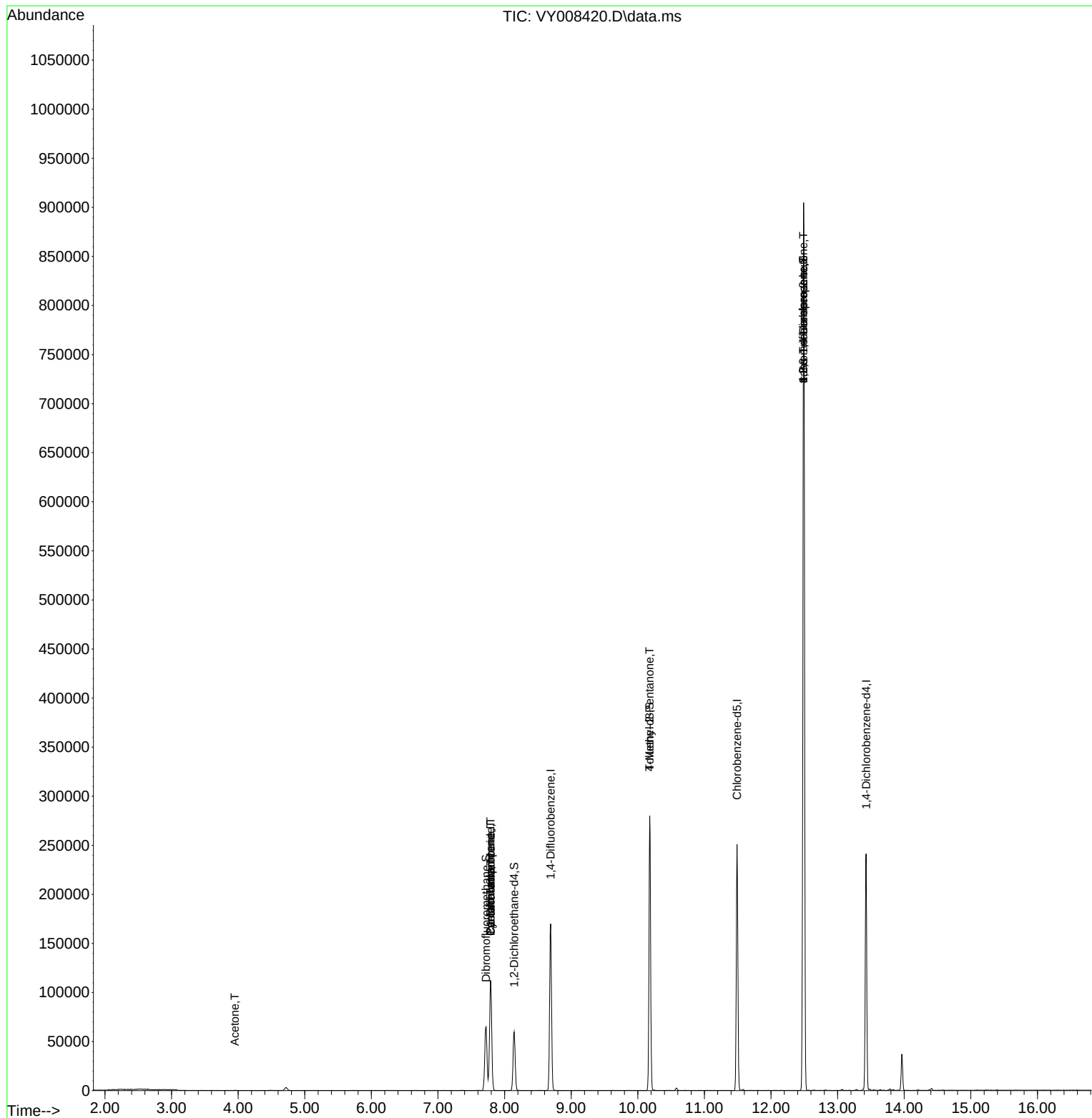
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 87937    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 153000   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 138190   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 61668    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.143  | 65    | 45154    | 54.665    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 109.340% |          |
| 35) Dibromofluoromethane      | 7.722  | 113   | 46647    | 52.786    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 105.580% |          |
| 50) Toluene-d8                | 10.179 | 98    | 183579   | 60.710    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 121.420% |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 64201    | 56.448    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 112.900% |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 3) Chloromethane              | 2.113  | 50    | 238      | Below Cal | #          | 44       |
| 5) Bromomethane               | 2.656  | 94    | 113      | Below Cal |            | 94       |
| 16) Acetone                   | 3.948  | 43    | 404      | 2.033     | ug/l #     | 47       |
| 18) Methyl Acetate            | 4.473  | 43    | 453      | Below Cal | #          | 56       |
| 20) Methylene Chloride        | 4.722  | 84    | 2402     | Below Cal | #          | 73       |
| 31) Cyclohexane               | 7.789  | 56    | 1776     | 1.189     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 6935     | 4.914     | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 8790     | 5.790     | ug/l #     | 15       |
| 51) 4-Methyl-2-Pentanone      | 10.179 | 43    | 723      | 1.037     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 40078    | 58.763    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 40078    | 131.479   | ug/l #     | 10       |
| -----                         |        |       |          |           |            |          |

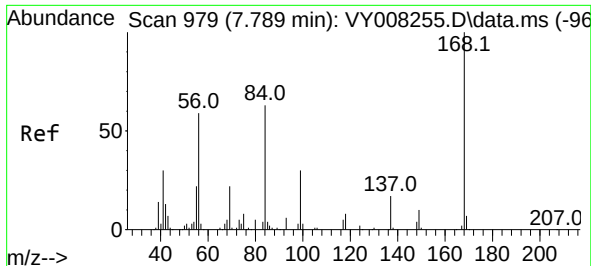
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042022\  
Data File : VY008420.D  
Acq On : 20 Apr 2022 15:54  
Operator : KP/MD  
Sample : N2451-06  
Misc : 6.91g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1120

Quant Time: Apr 21 02:39:42 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y040822S.M  
Quant Title : SW846 8260  
QLast Update : Fri Apr 08 16:02:50 2022  
Response via : Initial Calibration

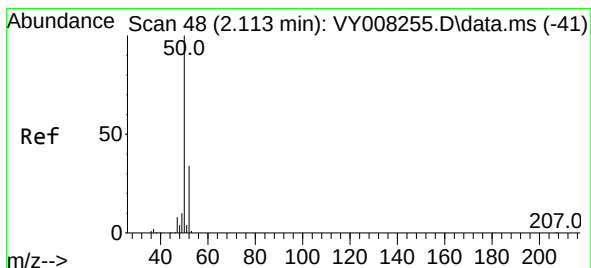
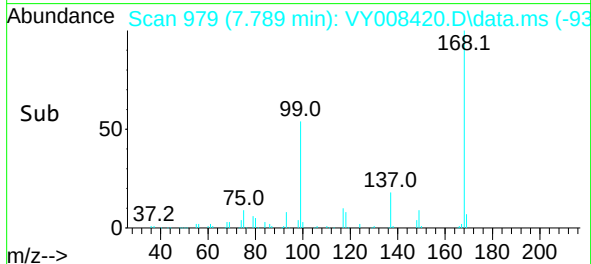
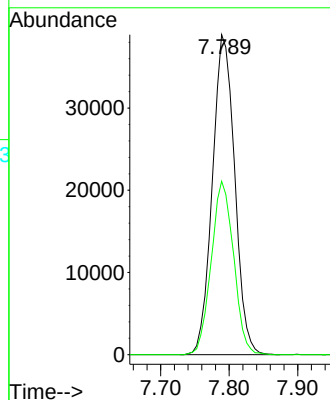
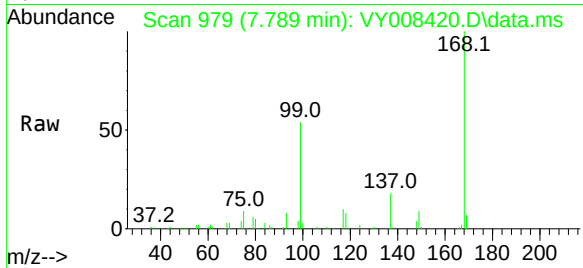




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY008420.D  
Acq: 20 Apr 2022 15:54

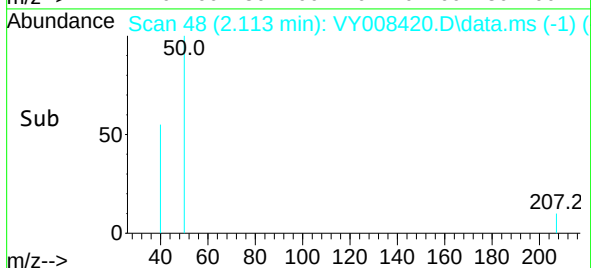
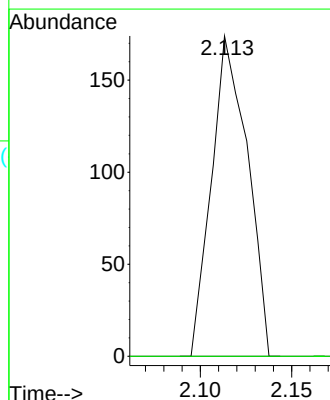
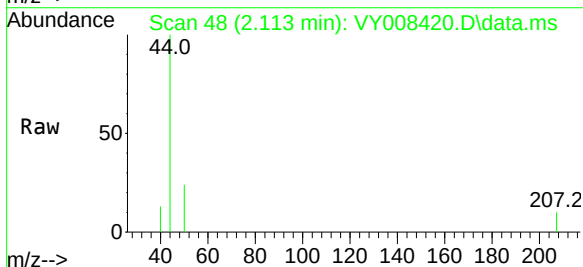
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1120

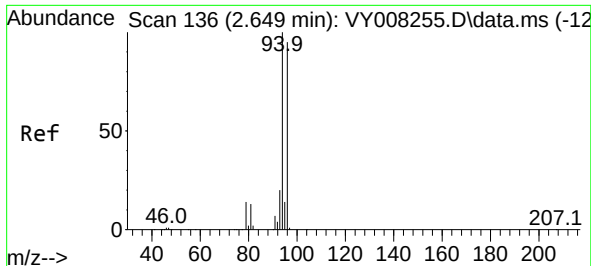
Tgt Ion:168 Resp: 87937  
Ion Ratio Lower Upper  
168 100  
99 54.2 46.9 70.3



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.113 min Scan# 48  
Delta R.T. 0.000 min  
Lab File: VY008420.D  
Acq: 20 Apr 2022 15:54

Tgt Ion: 50 Resp: 238  
Ion Ratio Lower Upper  
50 100  
52 0.0 24.6 37.0#

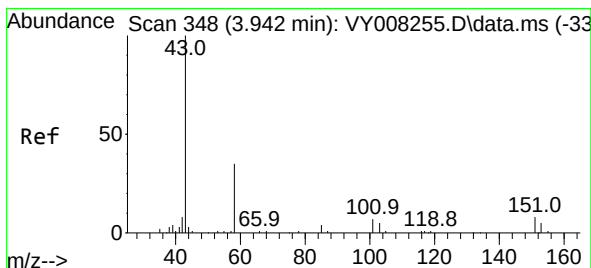
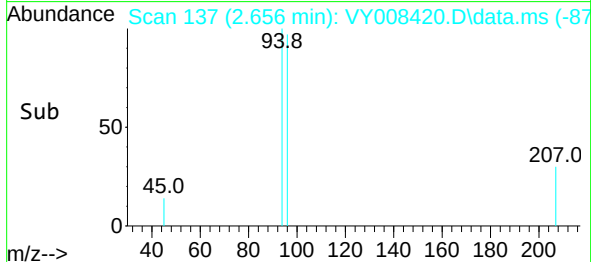
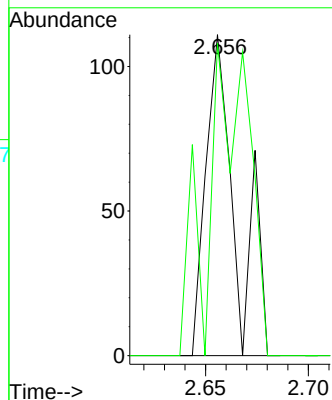
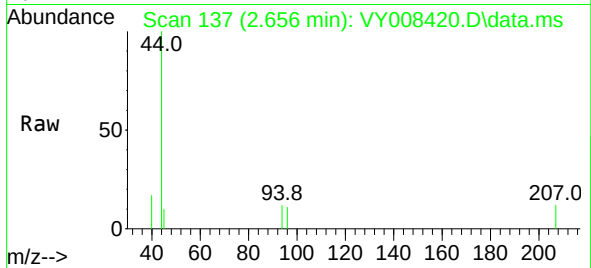




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.656 min Scan# 11  
Delta R.T. 0.007 min  
Lab File: VY008420.D  
Acq: 20 Apr 2022 15:54

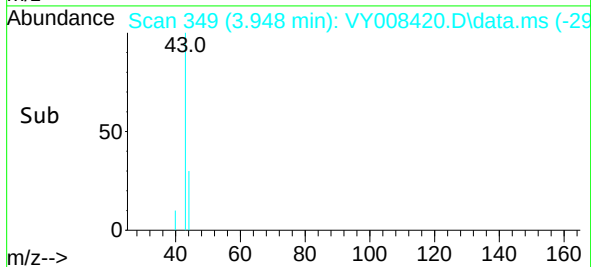
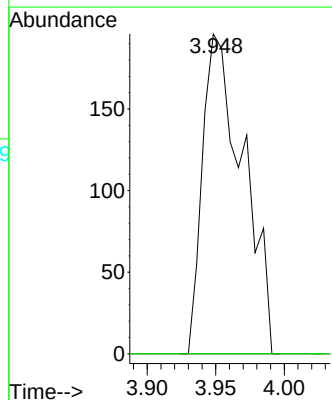
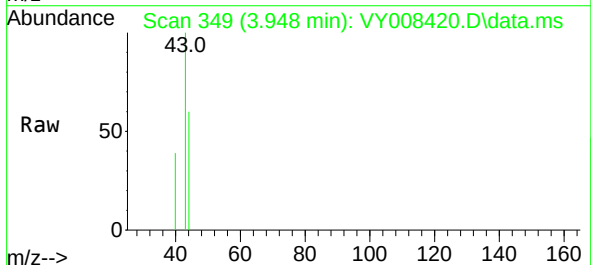
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1120

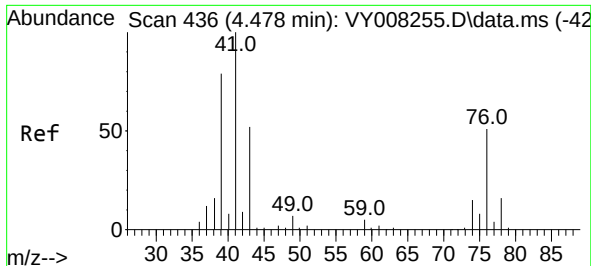
Tgt Ion: 94 Resp: 113  
Ion Ratio Lower Upper  
94 100  
96 97.3 73.5 110.3



#16  
Acetone  
Concen: 2.033 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. 0.006 min  
Lab File: VY008420.D  
Acq: 20 Apr 2022 15:54

Tgt Ion: 43 Resp: 404  
Ion Ratio Lower Upper  
43 100  
58 0.0 22.0 33.0#

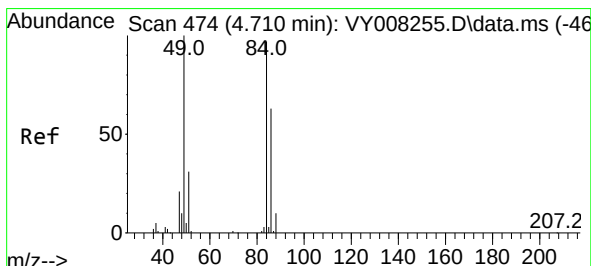
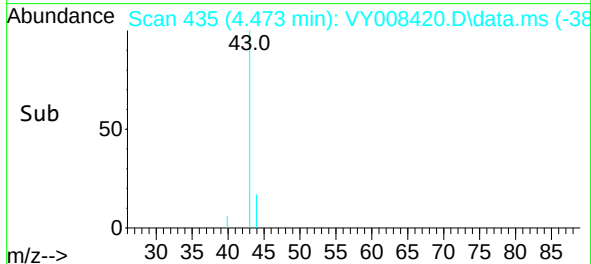
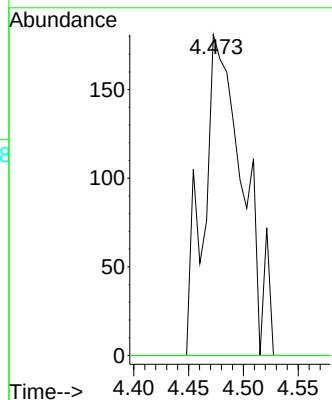
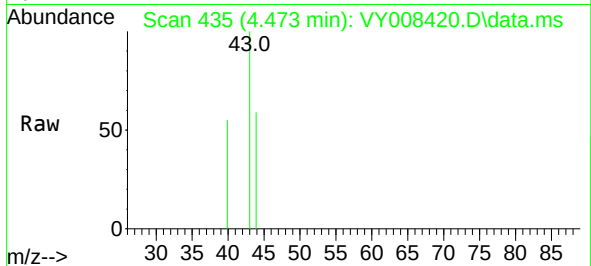




#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.473 min Scan# 41  
Delta R.T. -0.005 min  
Lab File: VY008420.D  
Acq: 20 Apr 2022 15:54

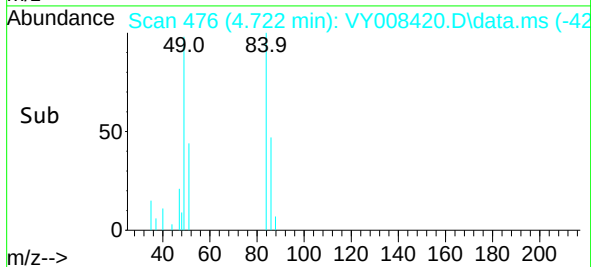
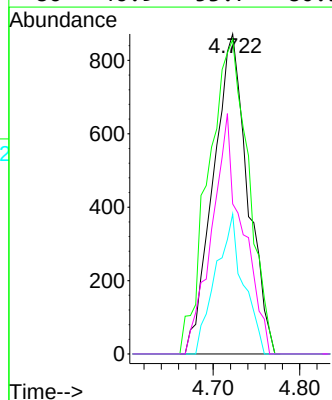
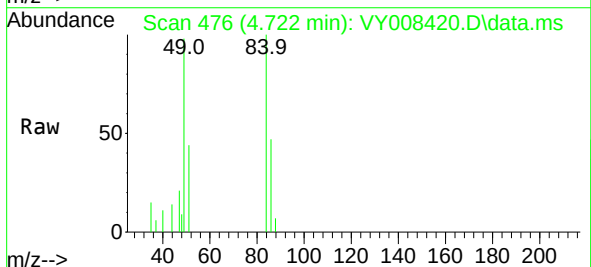
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1120

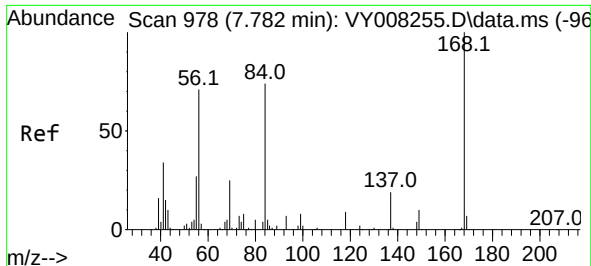
Tgt Ion: 43 Resp: 453  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 24.8#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.722 min Scan# 476  
Delta R.T. 0.012 min  
Lab File: VY008420.D  
Acq: 20 Apr 2022 15:54

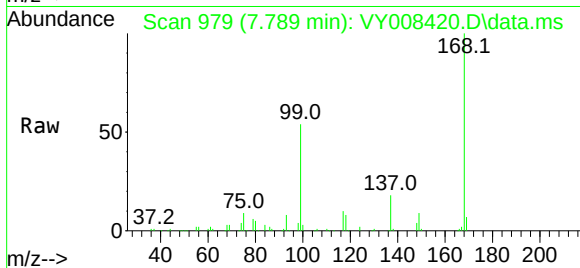
Tgt Ion: 84 Resp: 2402  
Ion Ratio Lower Upper  
84 100  
49 98.3 114.4 171.6#  
51 43.7 35.3 52.9  
86 46.9 53.7 80.5#



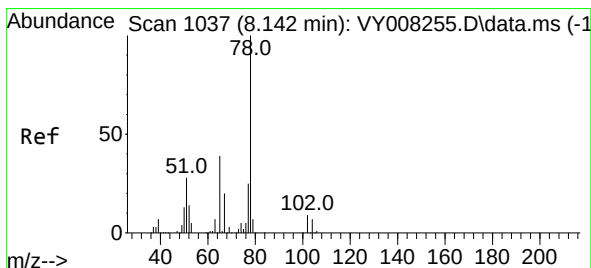
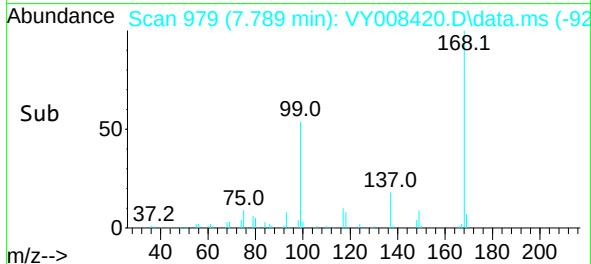
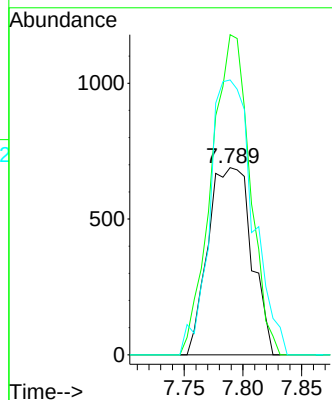


#31  
Cyclohexane  
Concen: 1.189 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.007 min  
Lab File: VY008420.D  
Acq: 20 Apr 2022 15:54

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1120

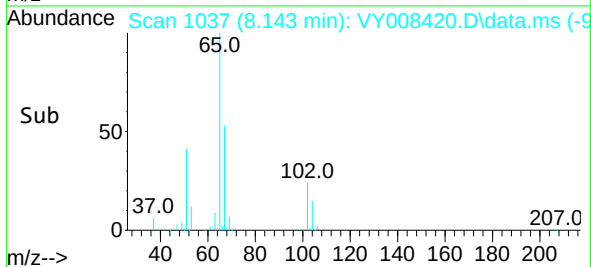
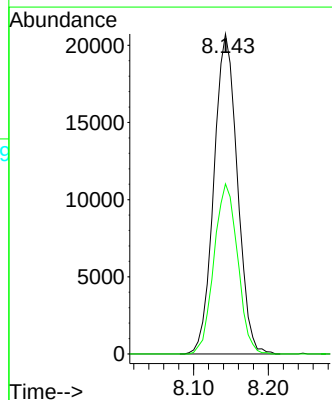
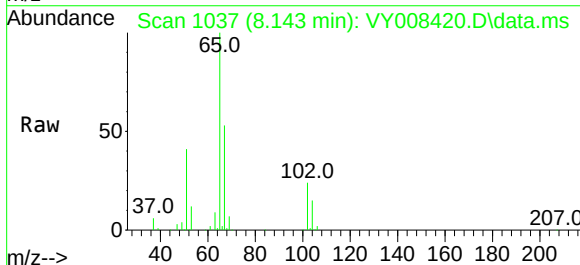


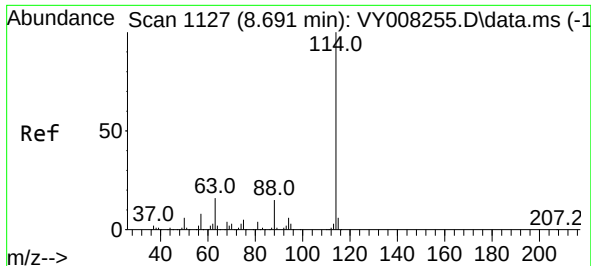
Tgt Ion: 56 Resp: 1776  
Ion Ratio Lower Upper  
56 100  
69 171.1 26.7 40.1#  
84 146.9 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 54.665 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.001 min  
Lab File: VY008420.D  
Acq: 20 Apr 2022 15:54

Tgt Ion: 65 Resp: 45154  
Ion Ratio Lower Upper  
65 100  
67 53.6 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: VY008420.D

Acq: 20 Apr 2022 15:54

Instrument :

MSVOA\_Y

ClientSampleId :

SB-1120

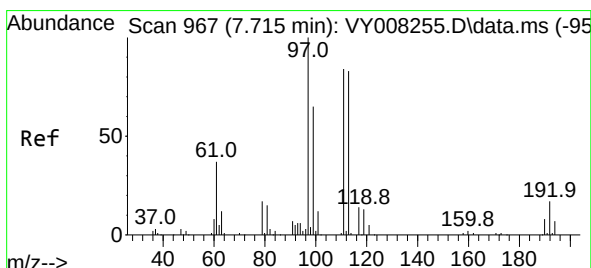
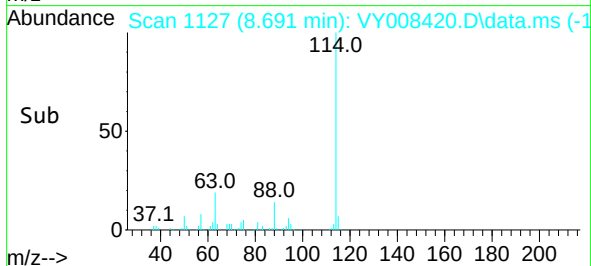
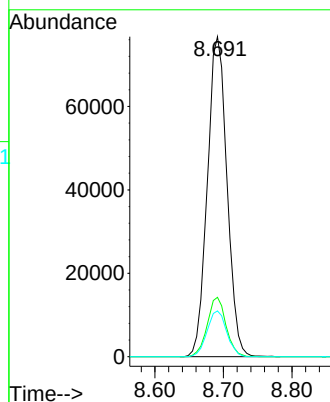
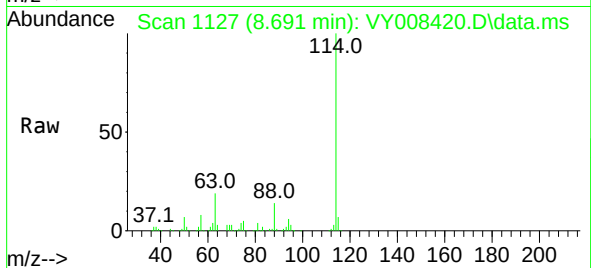
Tgt Ion:114 Resp: 153000

Ion Ratio Lower Upper

114 100

63 18.5 0.0 43.2

88 14.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 52.786 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.007 min

Lab File: VY008420.D

Acq: 20 Apr 2022 15:54

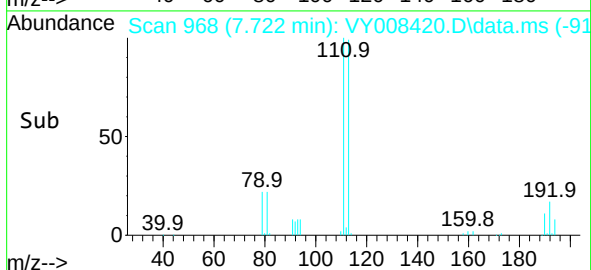
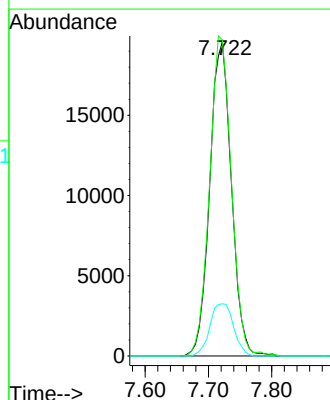
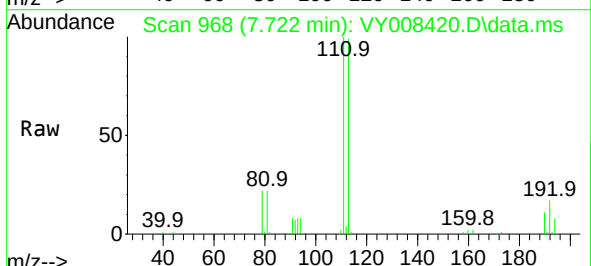
Tgt Ion:113 Resp: 46647

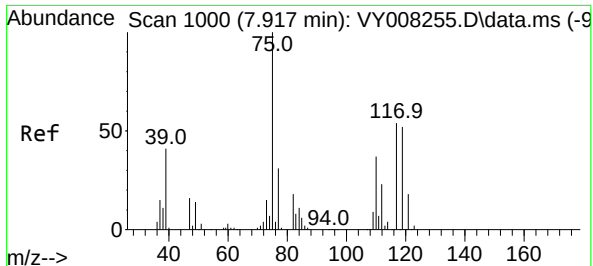
Ion Ratio Lower Upper

113 100

111 102.5 82.6 124.0

192 18.2 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.914 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY008420.D

Acq: 20 Apr 2022 15:54

Instrument :

MSVOA\_Y

ClientSampleId :

SB-1120

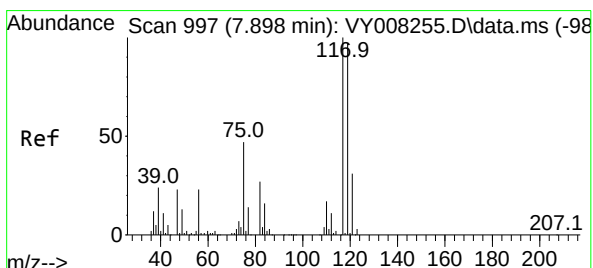
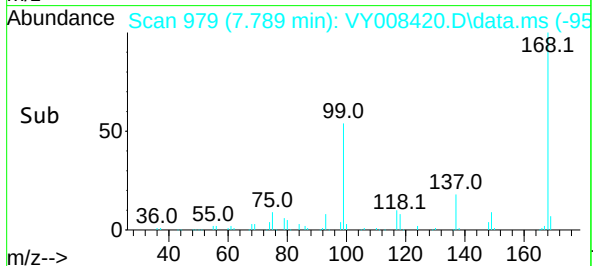
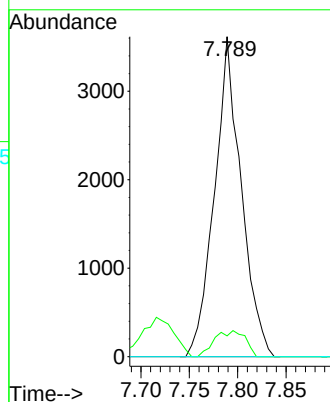
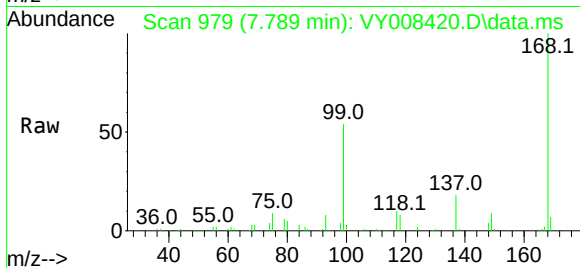
Tgt Ion: 75 Resp: 6935

Ion Ratio Lower Upper

75 100

110 9.4 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.790 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.109 min

Lab File: VY008420.D

Acq: 20 Apr 2022 15:54

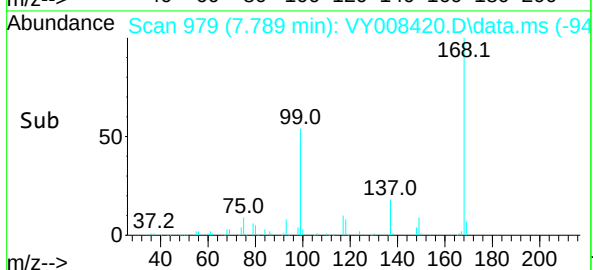
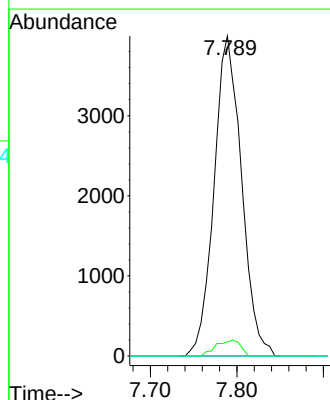
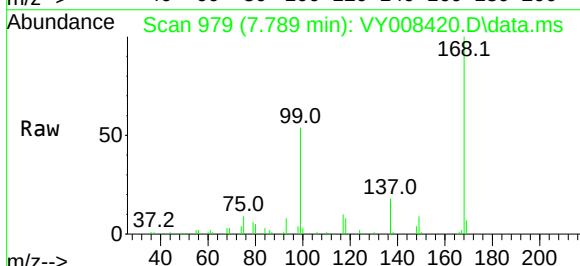
Tgt Ion: 117 Resp: 8790

Ion Ratio Lower Upper

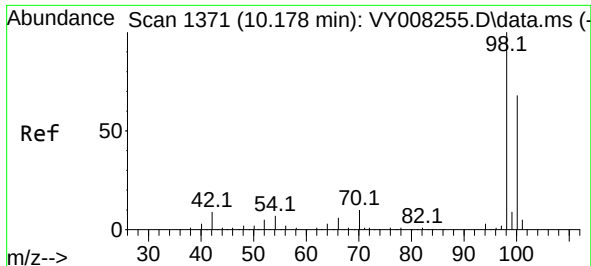
117 100

119 4.4 77.9 116.9#

121 0.0 24.8 37.2#



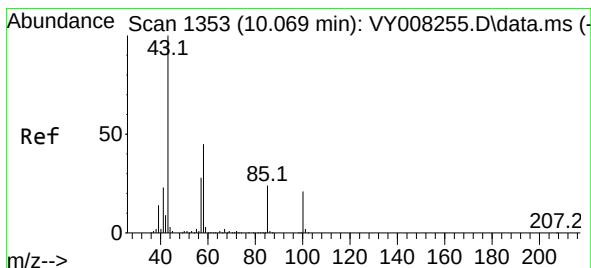
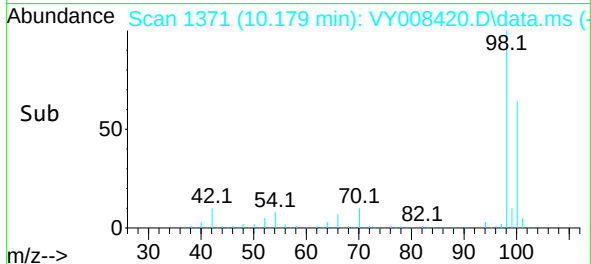
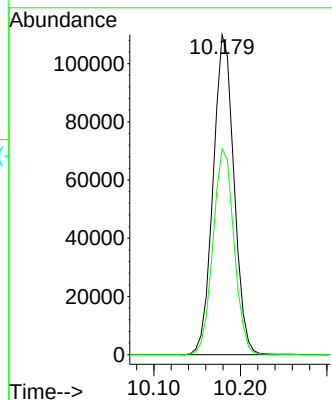
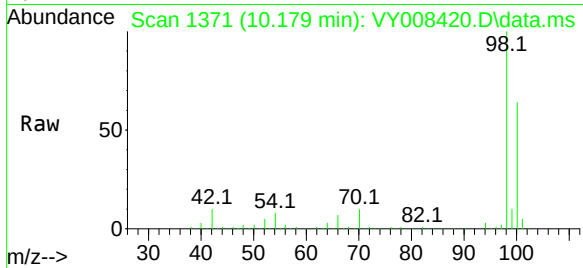




#50  
Toluene-d8  
Concen: 60.710 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.001 min  
Lab File: VY008420.D  
Acq: 20 Apr 2022 15:54

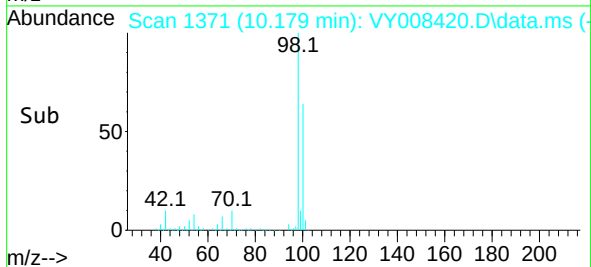
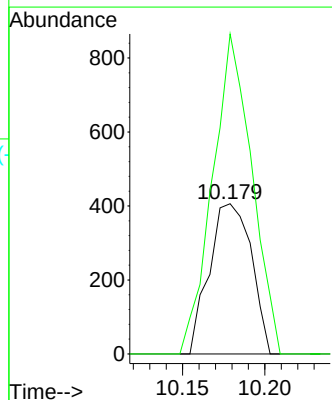
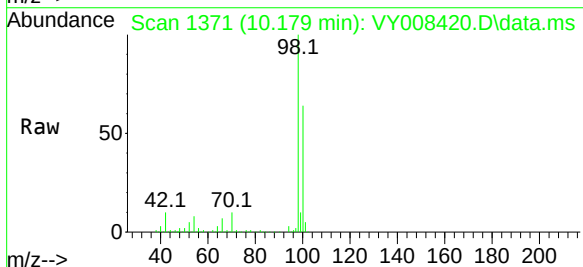
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1120

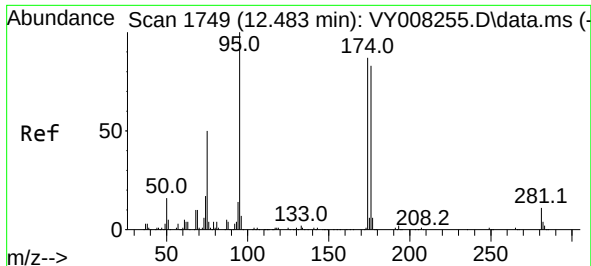
Tgt Ion: 98 Resp: 183579  
Ion Ratio Lower Upper  
98 100  
100 65.1 50.2 75.2



#51  
4-Methyl-2-Pentanone  
Concen: 1.037 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.110 min  
Lab File: VY008420.D  
Acq: 20 Apr 2022 15:54

Tgt Ion: 43 Resp: 723  
Ion Ratio Lower Upper  
43 100  
58 199.2 28.1 42.1#

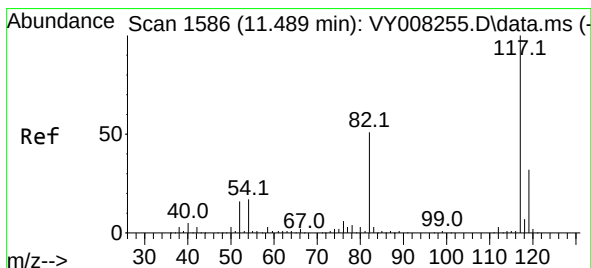
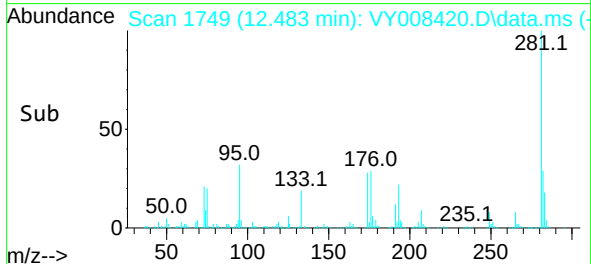
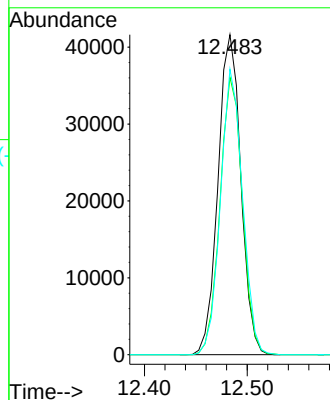
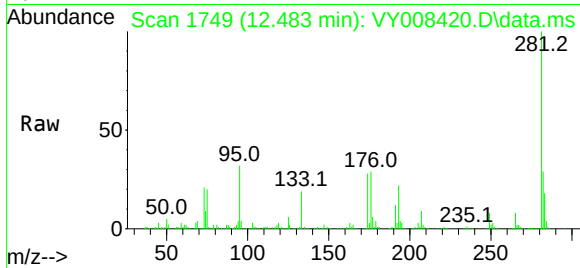




#62  
4-Bromofluorobenzene  
Concen: 56.448 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY008420.D  
Acq: 20 Apr 2022 15:54

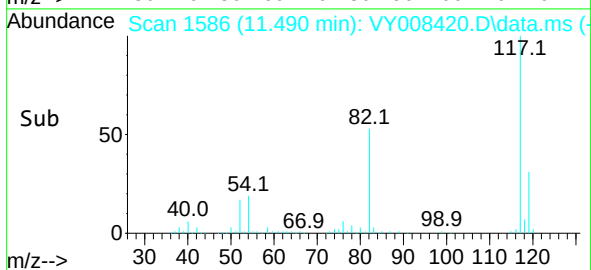
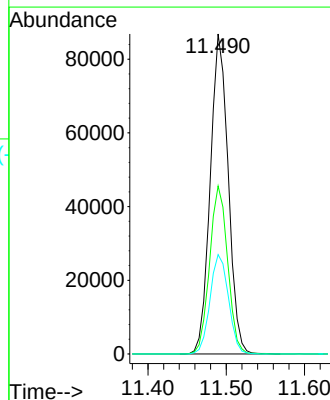
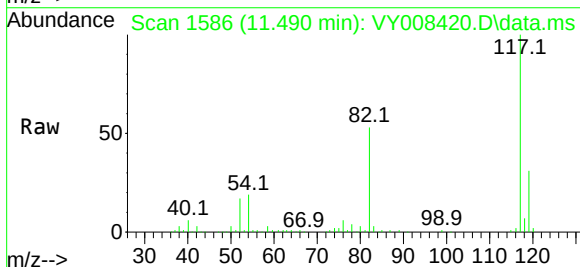
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1120

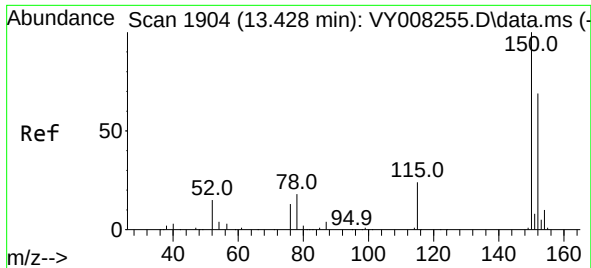
Tgt Ion: 95 Resp: 64201  
Ion Ratio Lower Upper  
95 100  
174 84.7 0.0 177.0  
176 86.2 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.001 min  
Lab File: VY008420.D  
Acq: 20 Apr 2022 15:54

Tgt Ion: 117 Resp: 138190  
Ion Ratio Lower Upper  
117 100  
82 52.5 43.0 64.4  
119 31.1 25.4 38.0

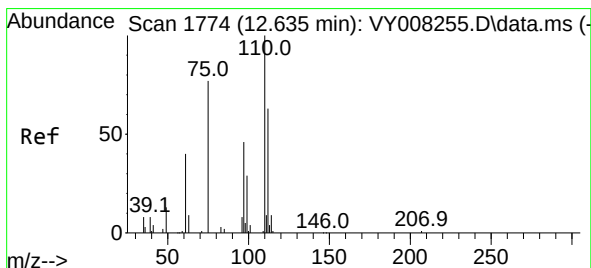
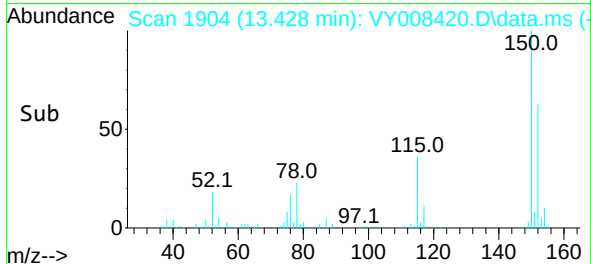
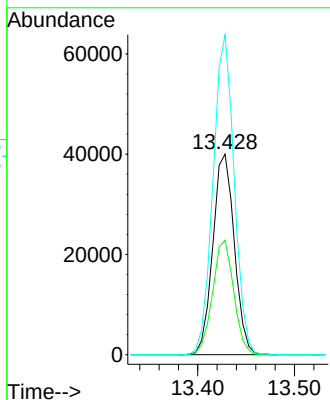
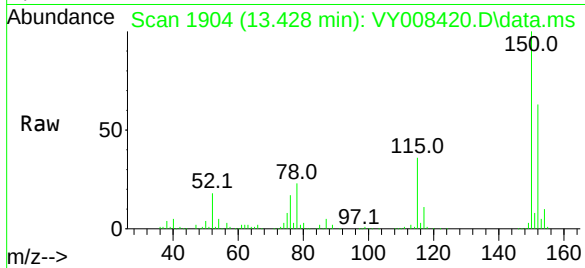




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.000 min  
 Lab File: VY008420.D  
 Acq: 20 Apr 2022 15:54

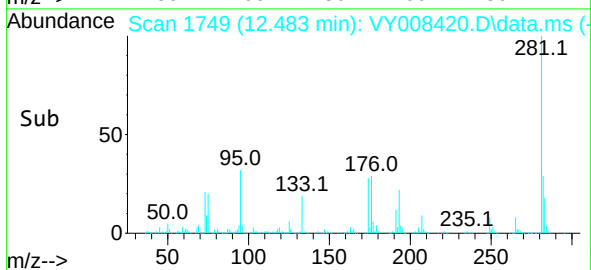
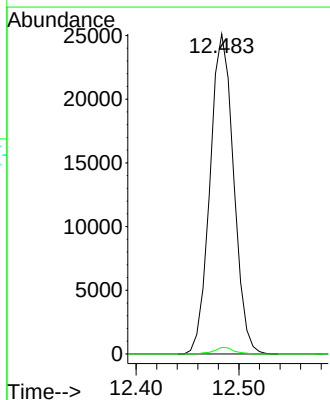
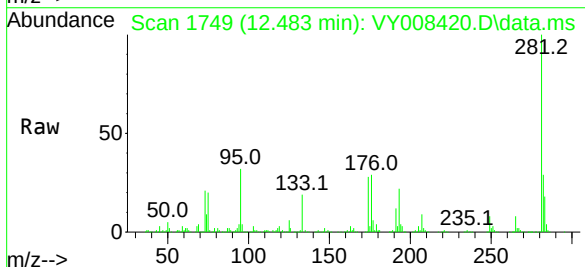
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-1120

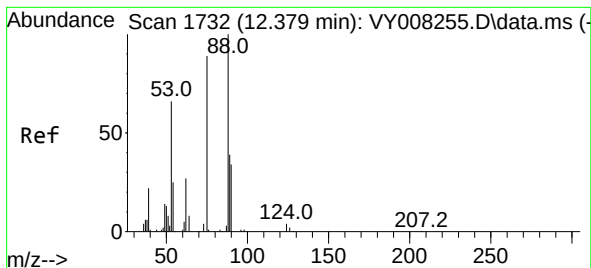
Tgt Ion:152 Resp: 61668  
 Ion Ratio Lower Upper  
 152 100  
 115 56.2 28.2 84.7  
 150 157.0 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 58.763 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.152 min  
 Lab File: VY008420.D  
 Acq: 20 Apr 2022 15:54

Tgt Ion: 75 Resp: 40078  
 Ion Ratio Lower Upper  
 75 100  
 77 1.7 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 131.479 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY008420.D  
 Acq: 20 Apr 2022 15:54

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-1120

Tgt Ion: 75 Resp: 40078  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 85.3 127.9#  
 89 5.9 37.0 55.4#

