

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072622\  
 Data File : VY009710.D  
 Acq On : 26 Jul 2022 19:04  
 Operator : KP/MD  
 Sample : N3888-01  
 Misc : 4.99g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 S-2ND-TP

Quant Time: Jul 27 04:27:46 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y072622S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 27 04:24:58 2022  
 Response via : Initial Calibration

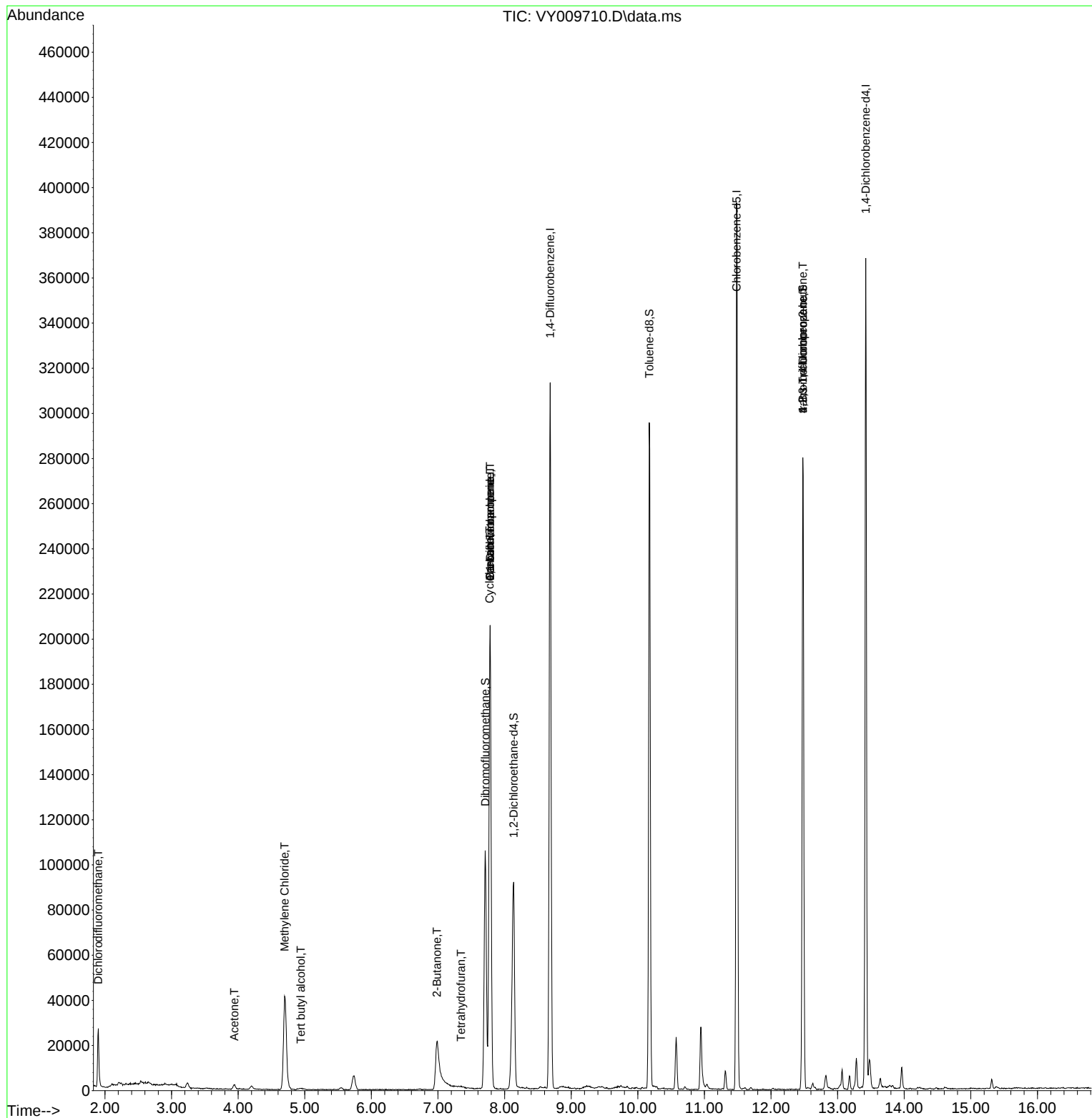
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.783     | 168   | 171787   | 50.000    | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.685     | 114   | 270885   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.483    | 117   | 228491   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422    | 152   | 96948    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.136     | 65    | 62366    | 55.067    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 110.140% |          |
| 35) Dibromofluoromethane      | 7.710     | 113   | 73127    | 49.636    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 99.280%  |          |
| 50) Toluene-d8                | 10.173    | 98    | 194303   | 44.848    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 78 - 125 | Recovery  | = 89.700%  |          |
| 62) 4-Bromofluorobenzene      | 12.477    | 95    | 80094    | 41.000    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 146 | Recovery  | = 82.000%  |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 1.900     | 85    | 19989    | 13.070    | ug/l       | 99       |
| 11) Tert butyl alcohol        | 4.942     | 59    | 1211     | 6.372     | ug/l #     | 77       |
| 16) Acetone                   | 3.942     | 43    | 3521     | 8.572     | ug/l       | 99       |
| 18) Methyl Acetate            | 4.460     | 43    | 43       | Below Cal | #          | 56       |
| 20) Methylene Chloride        | 4.698     | 84    | 31881    | 8.043     | ug/l #     | 82       |
| 25) 2-Butanone                | 6.984     | 43    | 2223     | 3.669     | ug/l       | 95       |
| 29) Tetrahydrofuran           | 7.344     | 42    | 405      | 1.055     | ug/l #     | 56       |
| 31) Cyclohexane               | 7.777     | 56    | 3042     | 1.113     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.783     | 75    | 11536    | 4.812     | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 7.783     | 117   | 15527    | 6.045     | ug/l #     | 15       |
| 76) 1,2,3-Trichloropropane    | 12.477    | 75    | 40495    | 44.969    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477    | 75    | 40495    | 89.637    | ug/l #     | 7        |
| -----                         |           |       |          |           |            |          |

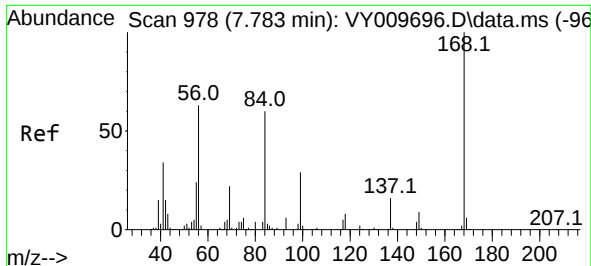
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072622\  
Data File : VY009710.D  
Acq On : 26 Jul 2022 19:04  
Operator : KP/MD  
Sample : N3888-01  
Misc : 4.99g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
S-2ND-TP

Quant Time: Jul 27 04:27:46 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y072622S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jul 27 04:24:58 2022  
Response via : Initial Calibration

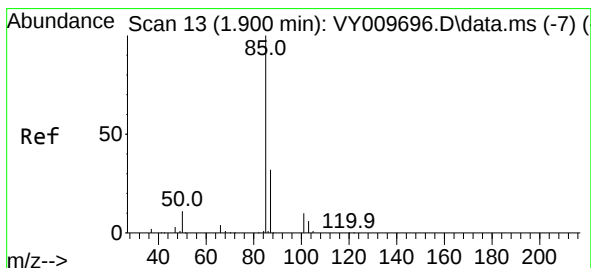
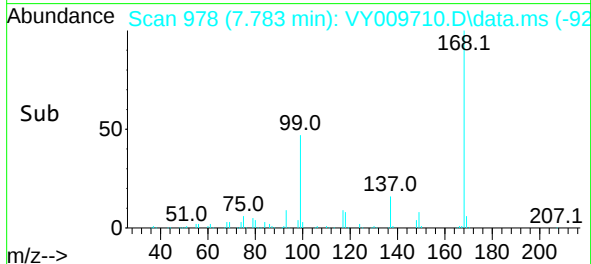
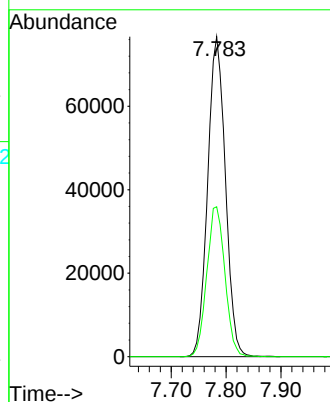
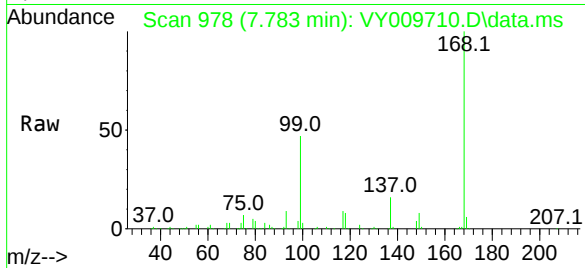




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009710.D  
Acq: 26 Jul 2022 19:04

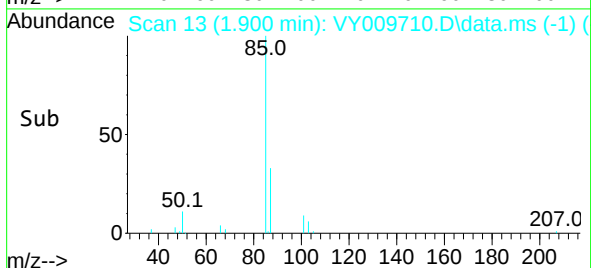
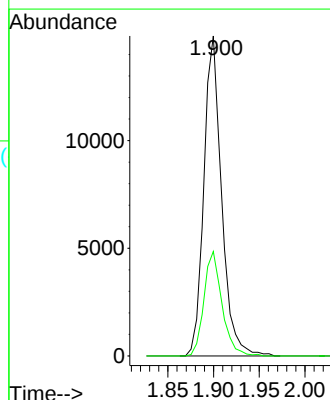
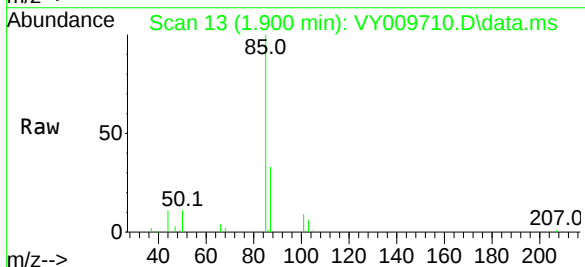
Instrument :  
MSVOA\_Y  
ClientSampleId :  
S-2ND-TP

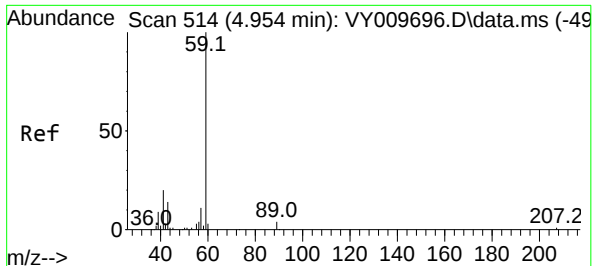
Tgt Ion:168 Resp: 171787  
Ion Ratio Lower Upper  
168 100  
99 46.8 46.9 70.3#



#2  
Dichlorodifluoromethane  
Concen: 13.070 ug/l  
RT: 1.900 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VY009710.D  
Acq: 26 Jul 2022 19:04

Tgt Ion: 85 Resp: 19989  
Ion Ratio Lower Upper  
85 100  
87 32.7 16.1 48.2





#11

Tert butyl alcohol

Concen: 6.372 ug/l

RT: 4.942 min Scan# 514

Delta R.T. -0.012 min

Lab File: VY009710.D

Acq: 26 Jul 2022 19:04

Instrument :

MSVOA\_Y

ClientSampleId :

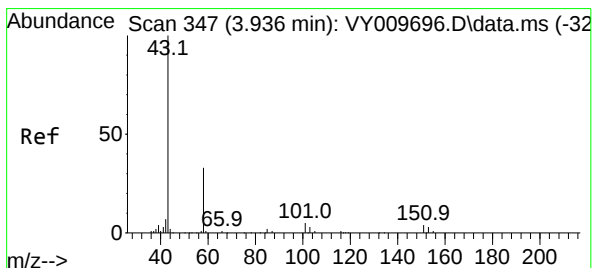
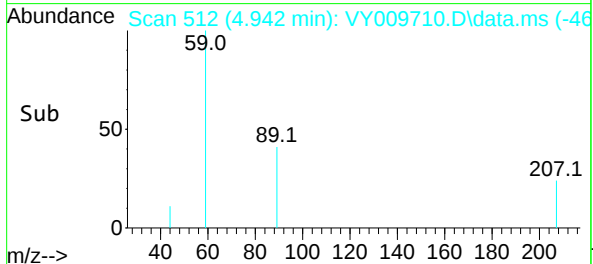
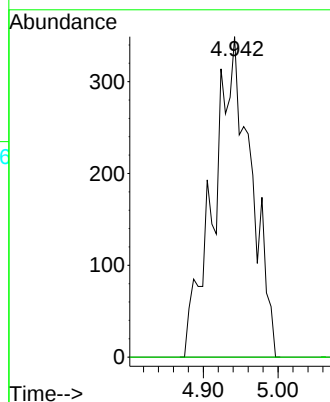
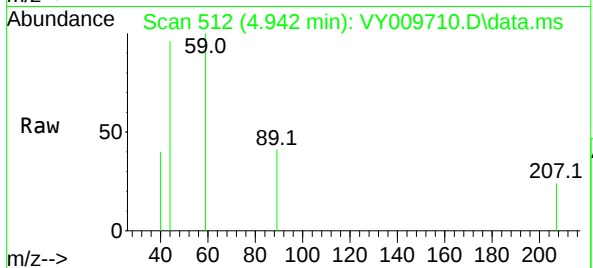
S-2ND-TP

Tgt Ion: 59 Resp: 1211

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 8.572 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY009710.D

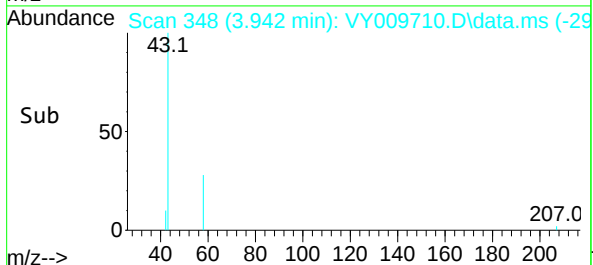
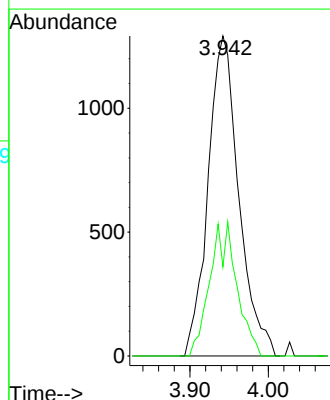
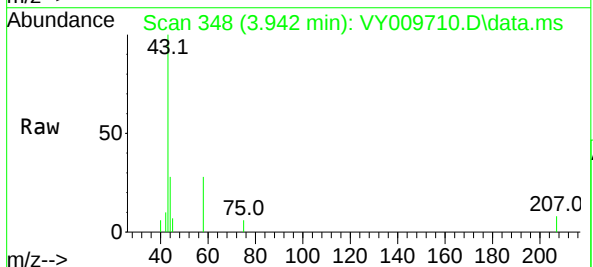
Acq: 26 Jul 2022 19:04

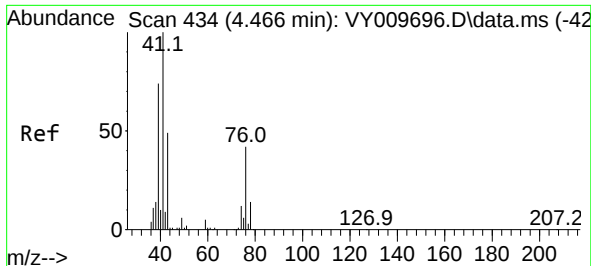
Tgt Ion: 43 Resp: 3521

Ion Ratio Lower Upper

43 100

58 27.9 22.0 33.0

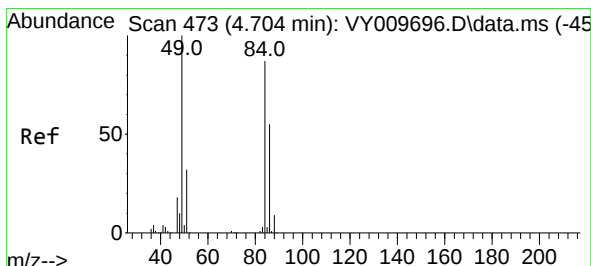
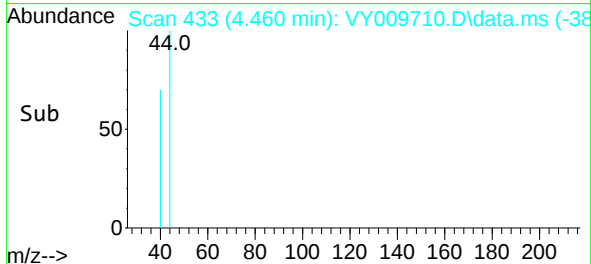
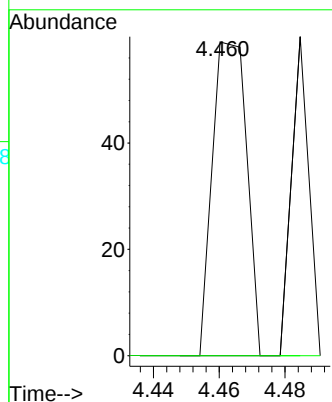
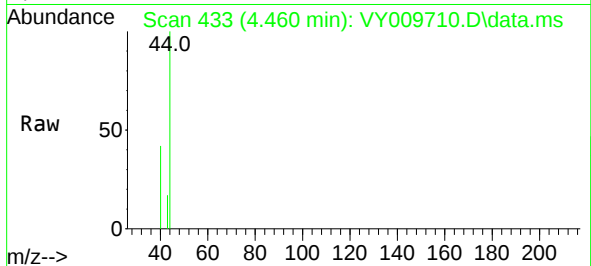




#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.460 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VY009710.D  
Acq: 26 Jul 2022 19:04

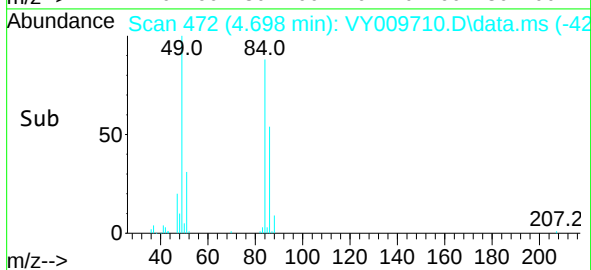
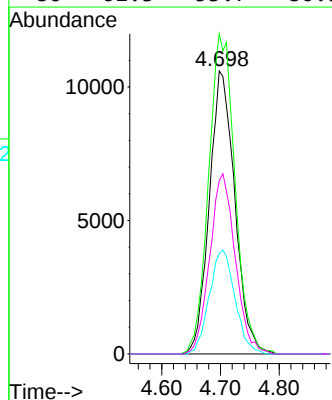
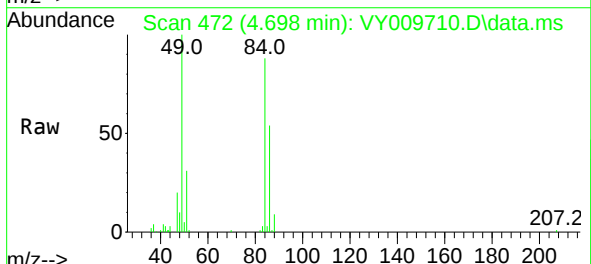
Instrument :  
MSVOA\_Y  
ClientSampleId :  
S-2ND-TP

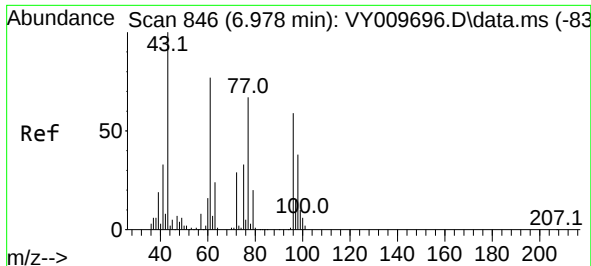
Tgt Ion: 43 Resp: 43  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 24.8#



#20  
Methylene Chloride  
Concen: 8.043 ug/l  
RT: 4.698 min Scan# 472  
Delta R.T. -0.006 min  
Lab File: VY009710.D  
Acq: 26 Jul 2022 19:04

Tgt Ion: 84 Resp: 31881  
Ion Ratio Lower Upper  
84 100  
49 113.0 114.4 171.6#  
51 35.4 35.3 52.9  
86 61.3 53.7 80.5

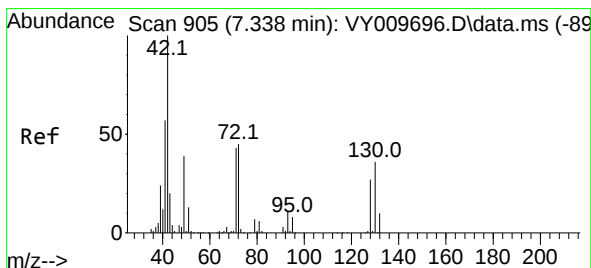
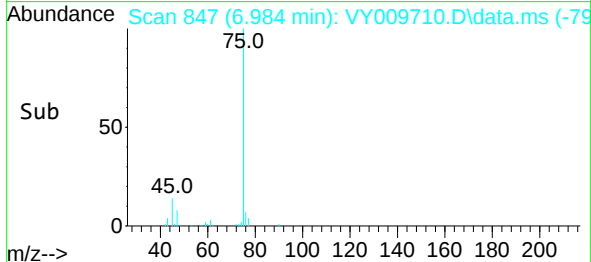
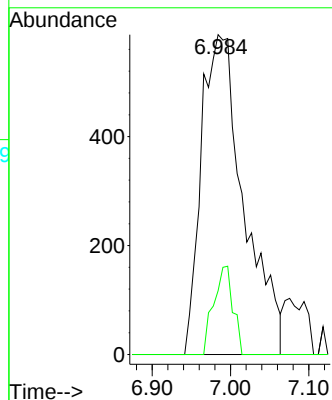
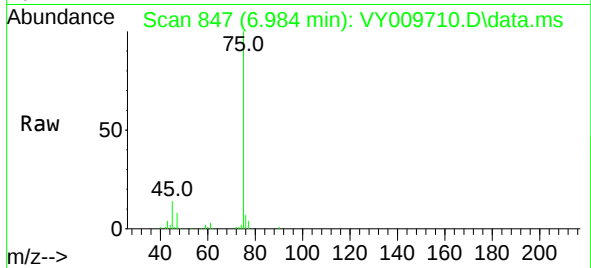




#25  
2-Butanone  
Concen: 3.669 ug/l  
RT: 6.984 min Scan# 846  
Delta R.T. 0.006 min  
Lab File: VY009710.D  
Acq: 26 Jul 2022 19:04

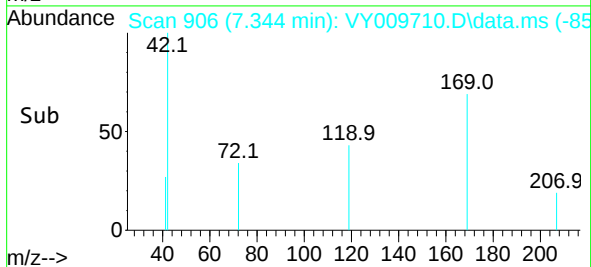
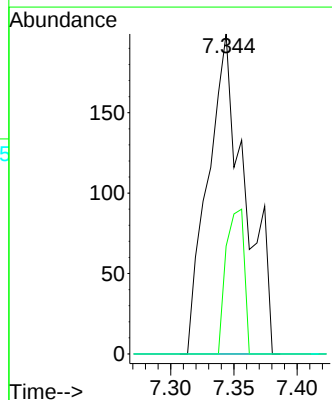
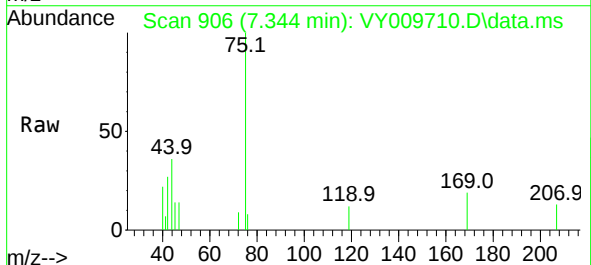
Instrument :  
MSVOA\_Y  
ClientSampleId :  
S-2ND-TP

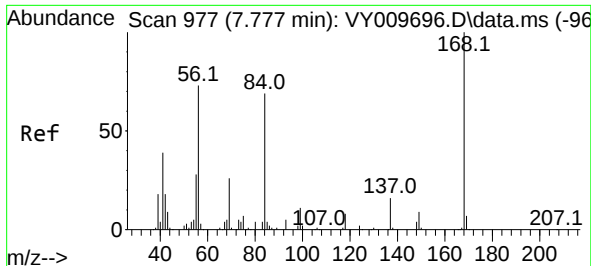
Tgt Ion: 43 Resp: 2223  
Ion Ratio Lower Upper  
43 100  
72 19.9 17.7 26.5



#29  
Tetrahydrofuran  
Concen: 1.055 ug/l  
RT: 7.344 min Scan# 906  
Delta R.T. 0.006 min  
Lab File: VY009710.D  
Acq: 26 Jul 2022 19:04

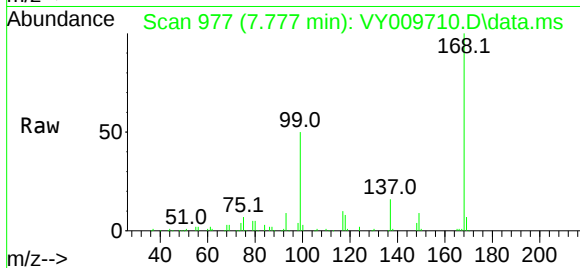
Tgt Ion: 42 Resp: 405  
Ion Ratio Lower Upper  
42 100  
72 22.0 30.3 45.5#  
71 0.0 29.0 43.4#



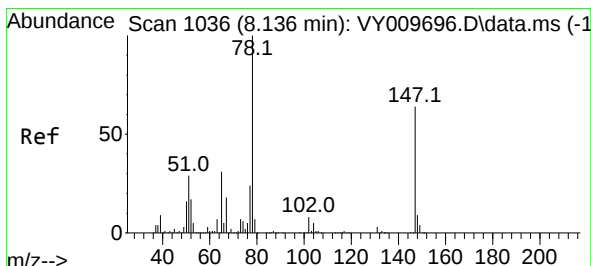
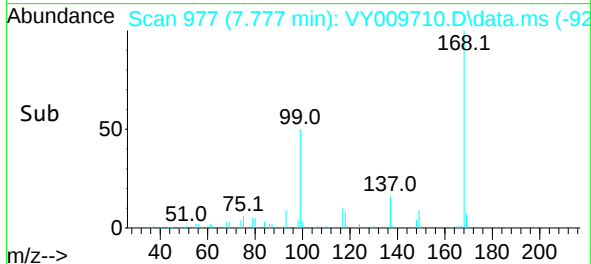
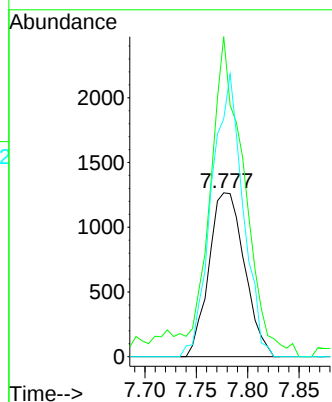


#31  
Cyclohexane  
Concen: 1.113 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009710.D  
Acq: 26 Jul 2022 19:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
S-2ND-TP

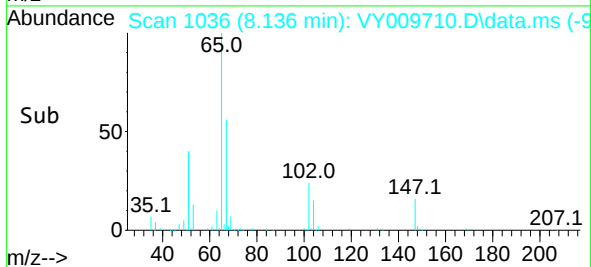
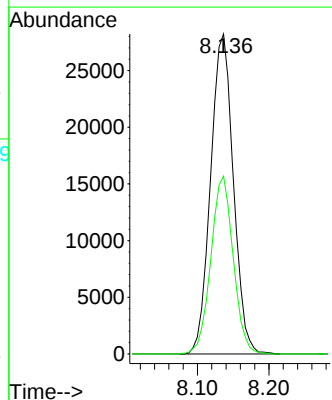
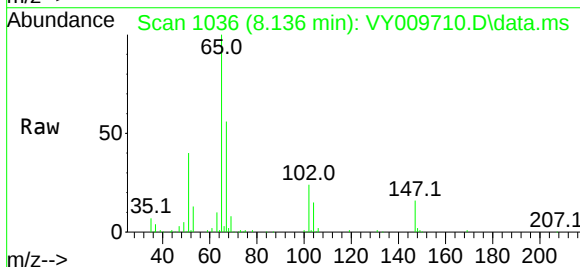


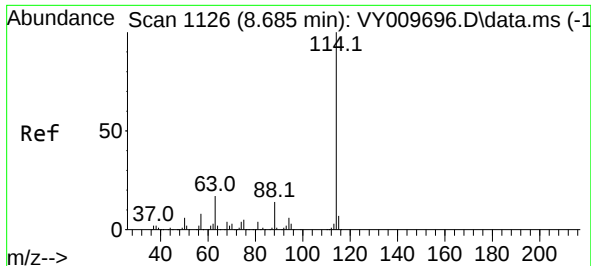
Tgt Ion: 56 Resp: 3042  
Ion Ratio Lower Upper  
56 100  
69 187.8 26.7 40.1#  
84 145.1 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 55.067 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY009710.D  
Acq: 26 Jul 2022 19:04

Tgt Ion: 65 Resp: 62366  
Ion Ratio Lower Upper  
65 100  
67 54.6 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009710.D

Acq: 26 Jul 2022 19:04

Instrument :

MSVOA\_Y

ClientSampleId :

S-2ND-TP

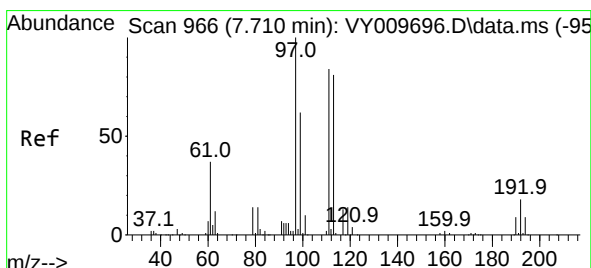
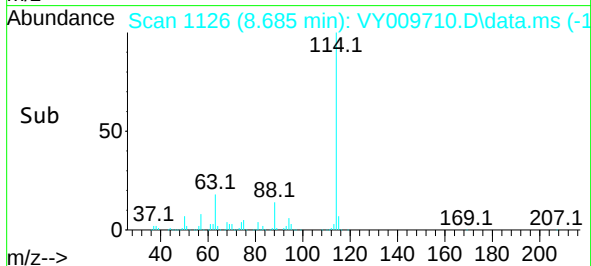
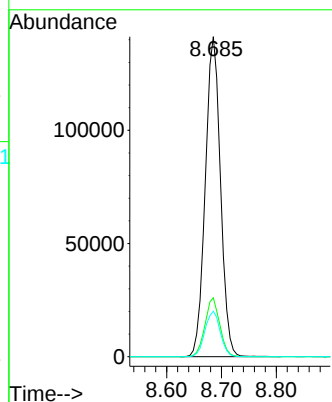
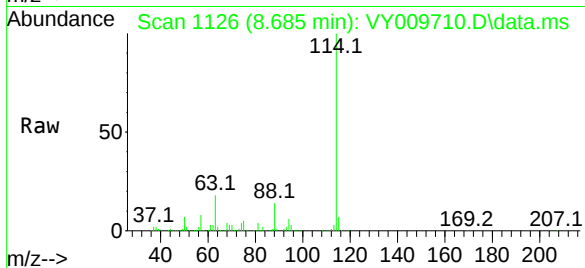
Tgt Ion:114 Resp: 270885

Ion Ratio Lower Upper

114 100

63 18.4 0.0 43.2

88 14.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 49.636 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009710.D

Acq: 26 Jul 2022 19:04

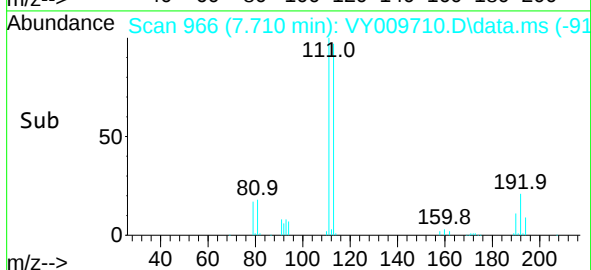
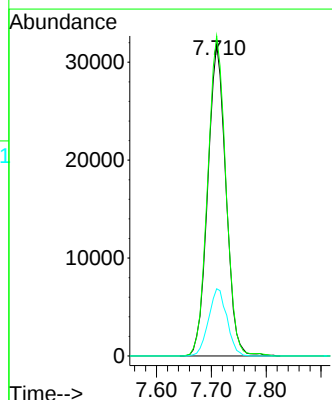
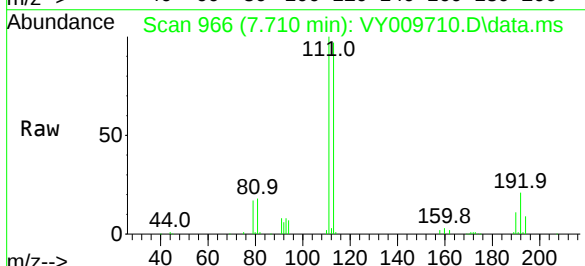
Tgt Ion:113 Resp: 73127

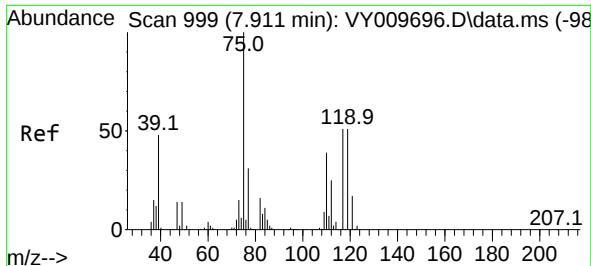
Ion Ratio Lower Upper

113 100

111 103.2 82.6 124.0

192 21.8 17.6 26.4

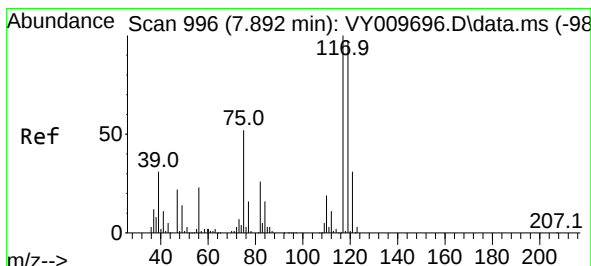
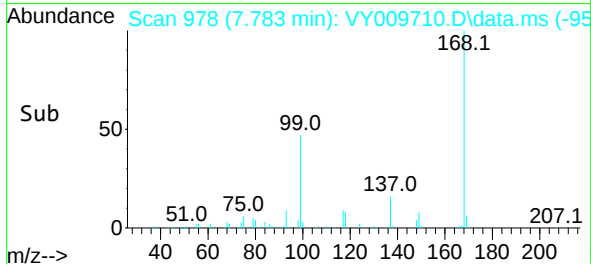
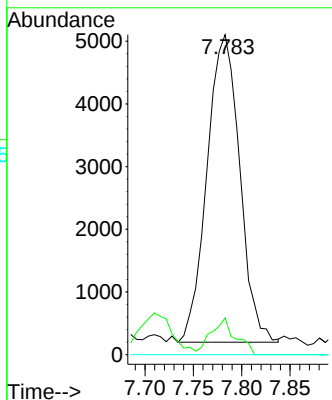
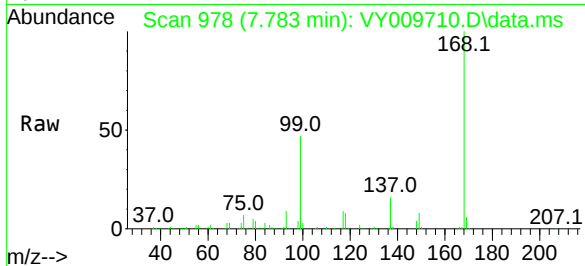




#36  
1,1-Dichloropropene  
Concen: 4.812 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.128 min  
Lab File: VY009710.D  
Acq: 26 Jul 2022 19:04

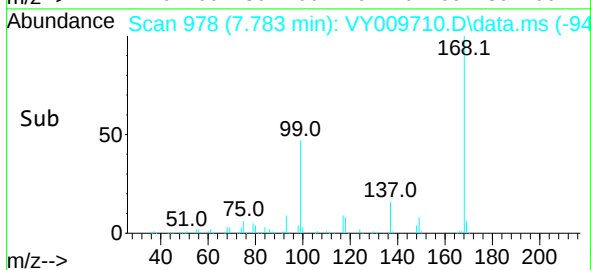
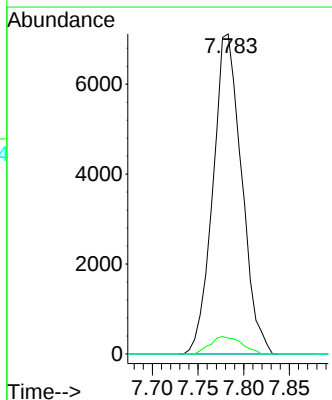
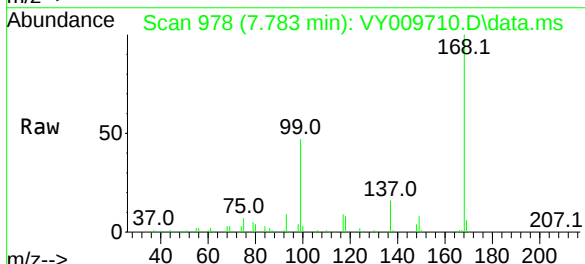
Instrument :  
MSVOA\_Y  
ClientSampleId :  
S-2ND-TP

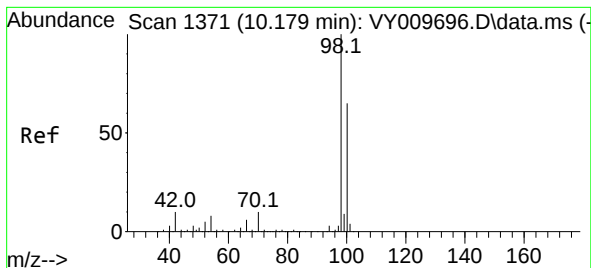
Tgt Ion: 75 Resp: 11536  
Ion Ratio Lower Upper  
75 100  
110 8.9 17.1 51.2#  
77 0.0 24.4 36.6#



#38  
Carbon Tetrachloride  
Concen: 6.045 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.109 min  
Lab File: VY009710.D  
Acq: 26 Jul 2022 19:04

Tgt Ion: 117 Resp: 15527  
Ion Ratio Lower Upper  
117 100  
119 4.9 77.9 116.9#  
121 0.0 24.8 37.2#

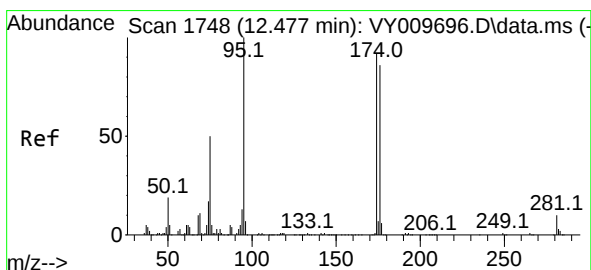
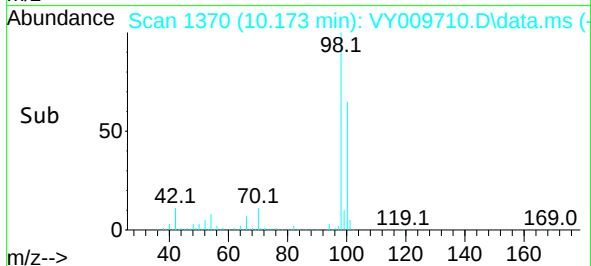
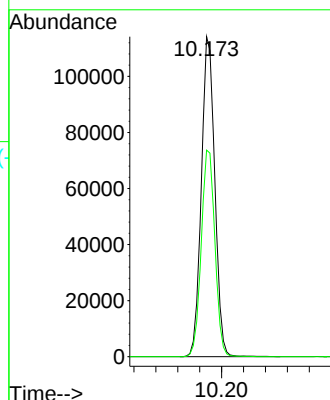
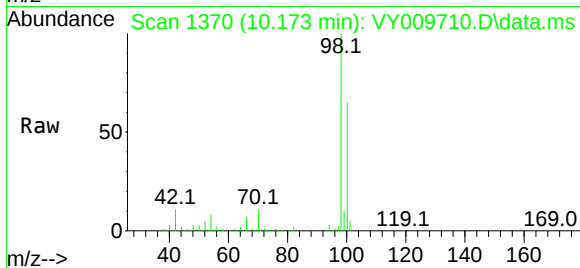




#50  
Toluene-d8  
Concen: 44.848 ug/l  
RT: 10.173 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY009710.D  
Acq: 26 Jul 2022 19:04

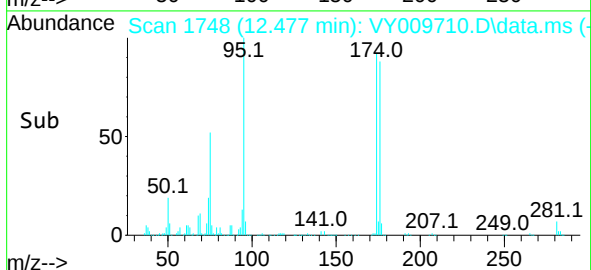
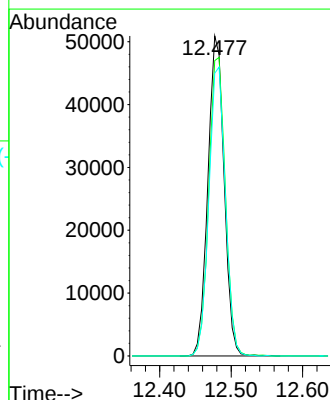
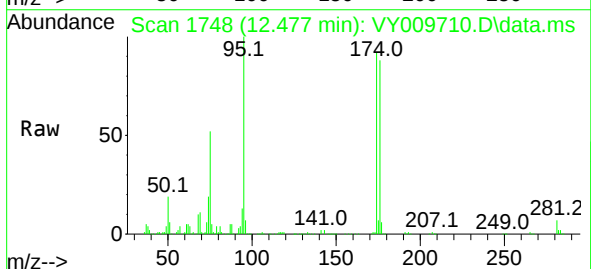
Instrument :  
MSVOA\_Y  
ClientSampleId :  
S-2ND-TP

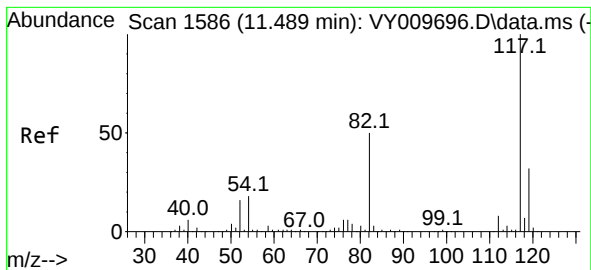
Tgt Ion: 98 Resp: 194303  
Ion Ratio Lower Upper  
98 100  
100 65.7 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 41.000 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY009710.D  
Acq: 26 Jul 2022 19:04

Tgt Ion: 95 Resp: 80094  
Ion Ratio Lower Upper  
95 100  
174 95.8 0.0 177.0  
176 92.1 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY009710.D

Acq: 26 Jul 2022 19:04

Instrument :

MSVOA\_Y

ClientSampleId :

S-2ND-TP

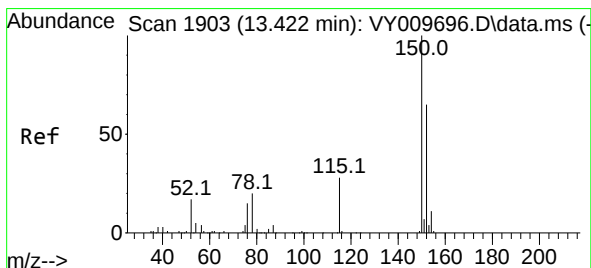
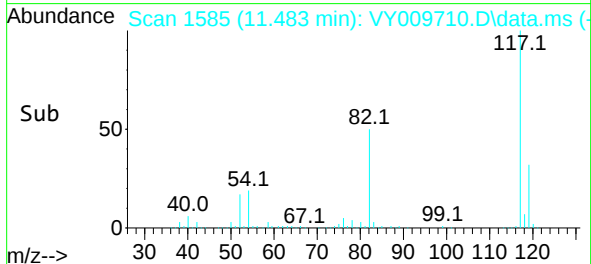
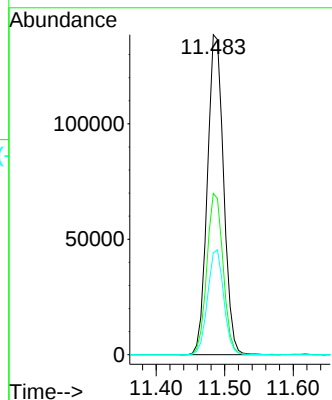
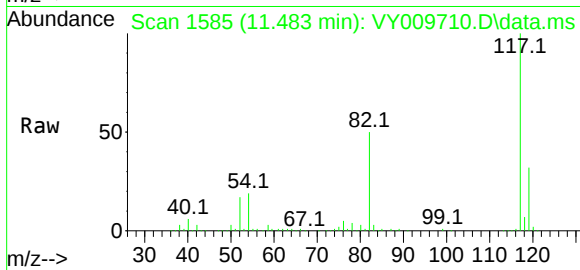
Tgt Ion:117 Resp: 228491

Ion Ratio Lower Upper

117 100

82 50.4 43.0 64.4

119 31.8 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY009710.D

Acq: 26 Jul 2022 19:04

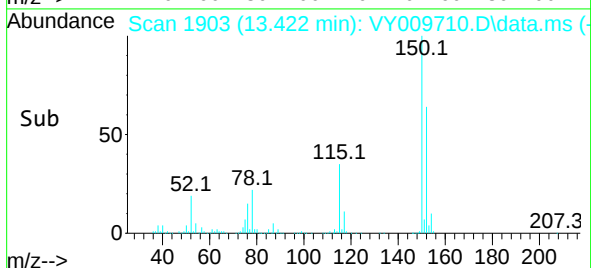
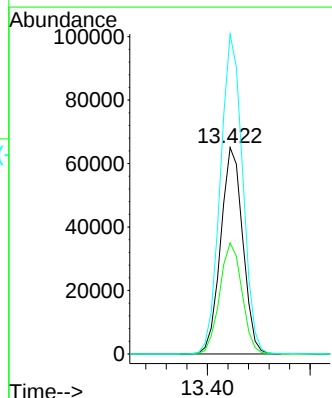
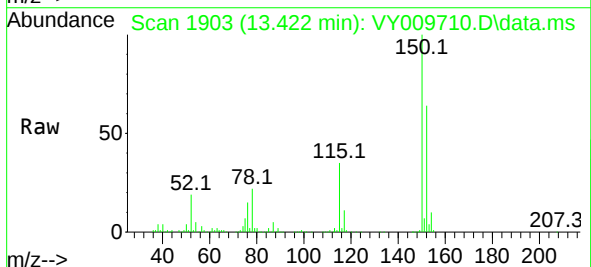
Tgt Ion:152 Resp: 96948

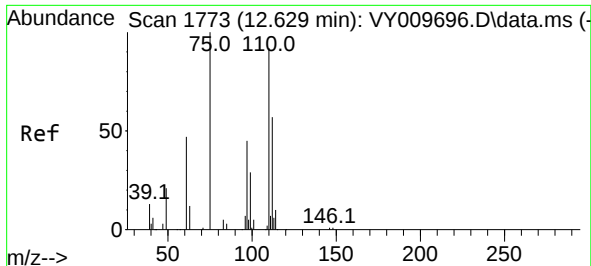
Ion Ratio Lower Upper

152 100

115 54.2 28.2 84.7

150 156.4 0.0 347.6

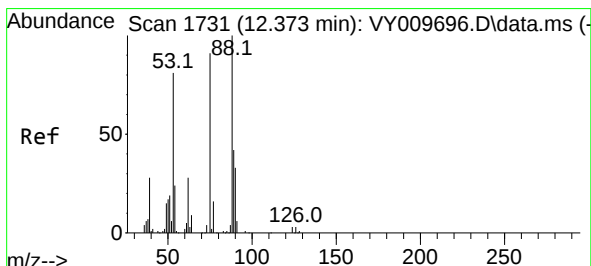
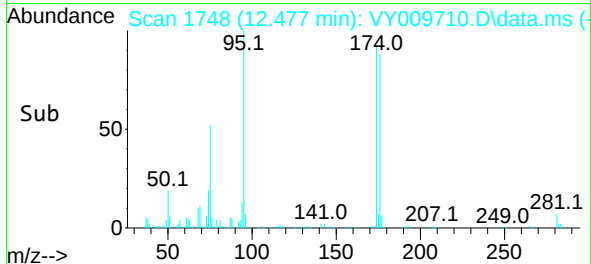
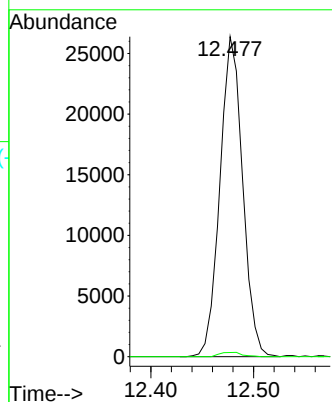
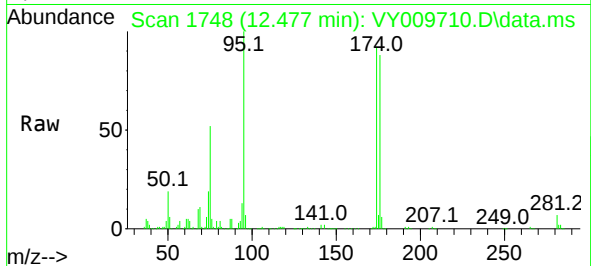




#76  
1,2,3-Trichloropropane  
Concen: 44.969 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.152 min  
Lab File: VY009710.D  
Acq: 26 Jul 2022 19:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
S-2ND-TP

Tgt Ion: 75 Resp: 40495  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 89.637 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.104 min  
Lab File: VY009710.D  
Acq: 26 Jul 2022 19:04

Tgt Ion: 75 Resp: 40495  
Ion Ratio Lower Upper  
75 100  
53 0.3 85.3 127.9#  
89 0.1 37.0 55.4#

