

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041822\  
 Data File : VY008376.D  
 Acq On : 18 Apr 2022 16:19  
 Operator : KP/MD  
 Sample : N2427-02  
 Misc : 5.79g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-2

Quant Time: Apr 19 06:30:34 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

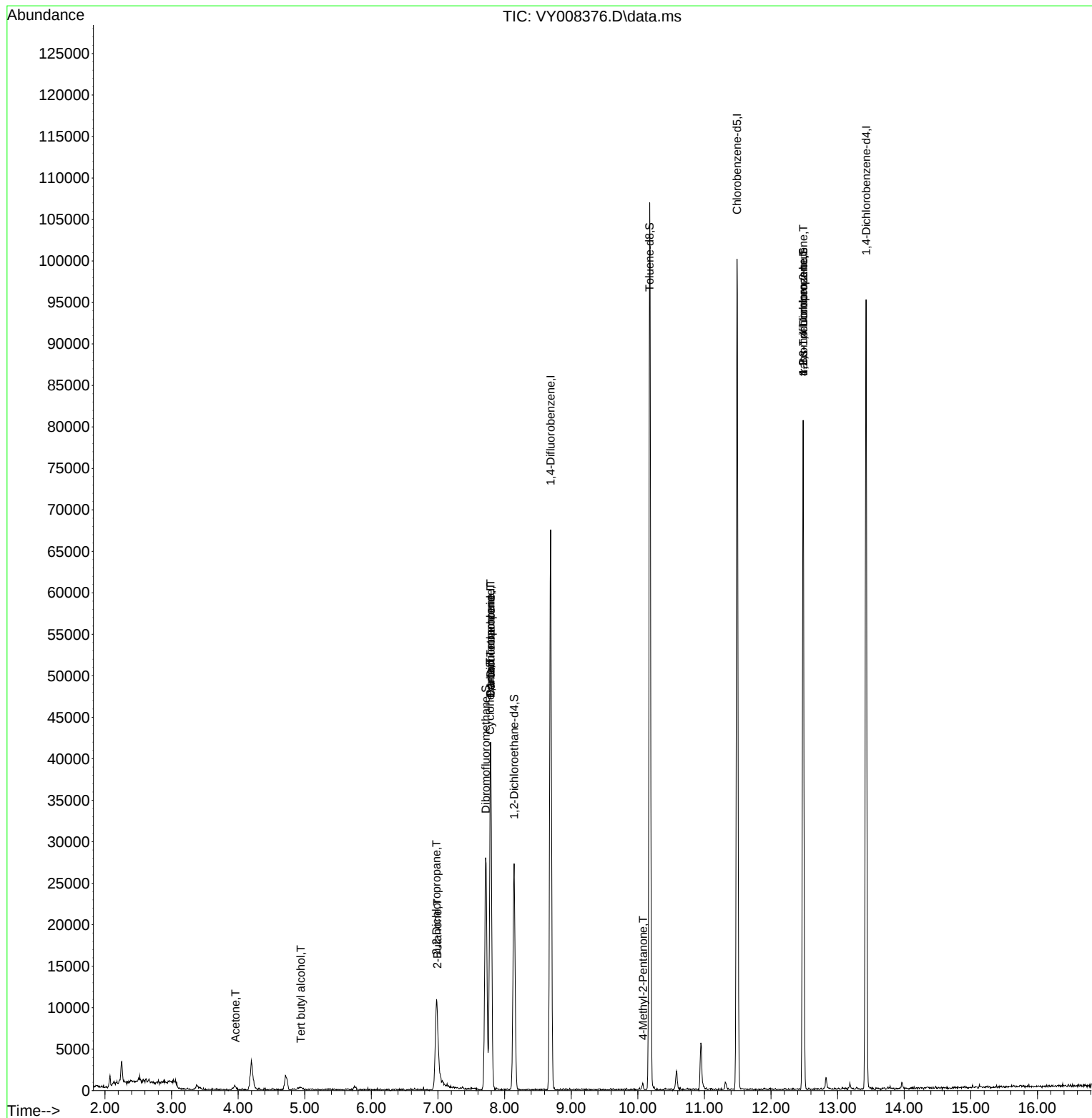
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 32429    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 58614    | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 56861    | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 24525    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.142  | 65    | 20820    | 68.349    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 136.700% |          |
| 35) Dibromofluoromethane      | 7.716  | 113   | 19880    | 58.722    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 117.440% |          |
| 50) Toluene-d8                | 10.179 | 98    | 71362    | 61.602    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 123.200% |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 22987    | 52.757    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 105.520% |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 5) Bromomethane               | 2.668  | 94    | 180      | Below Cal |            | 83       |
| 11) Tert butyl alcohol        | 4.942  | 59    | 501      | 15.384    | ug/l #     | 77       |
| 16) Acetone                   | 3.960  | 43    | 1010     | 13.785    | ug/l #     | 82       |
| 18) Methyl Acetate            | 4.466  | 43    | 28       | Below Cal | #          | 56       |
| 20) Methylene Chloride        | 4.716  | 84    | 1397     | Below Cal | #          | 75       |
| 25) 2-Butanone                | 6.990  | 43    | 549      | 4.792     | ug/l #     | 89       |
| 26) 2,2-Dichloropropane       | 6.978  | 77    | 939      | 1.613     | ug/l #     | 55       |
| 31) Cyclohexane               | 7.783  | 56    | 636      | 1.155     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 2746     | 5.079     | ug/l #     | 47       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 3211     | 5.521     | ug/l #     | 15       |
| 51) 4-Methyl-2-Pentanone      | 10.081 | 43    | 509      | 1.905     | ug/l       | 91       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 12527    | 46.184    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 12527    | 103.335   | ug/l #     | 7        |
| -----                         |        |       |          |           |            |          |

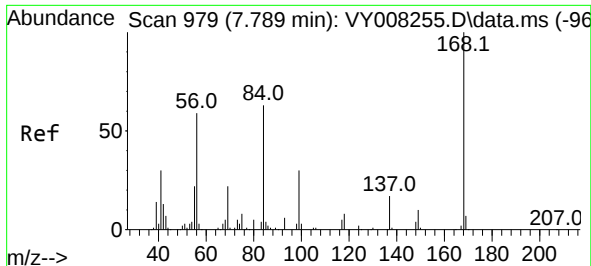
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041822\  
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Sample : N2427-02  
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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-2

Quant Time: Apr 19 06:30:34 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

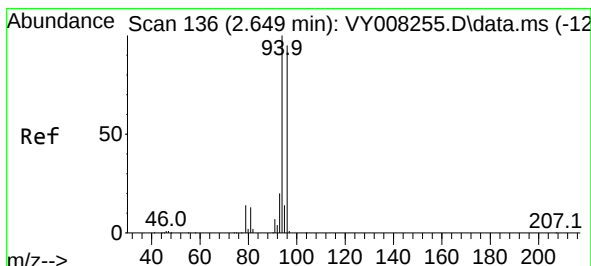
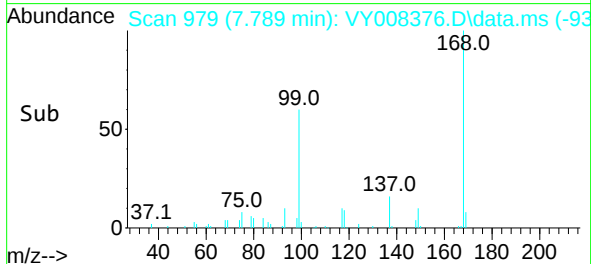
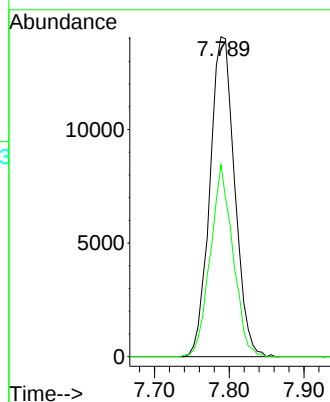
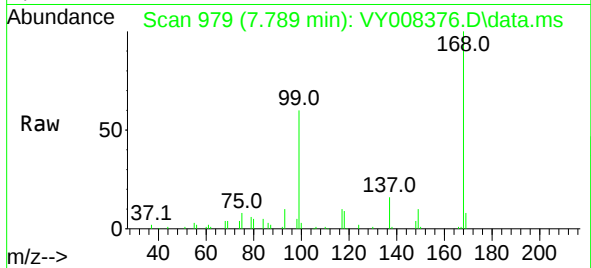




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008376.D  
Acq: 18 Apr 2022 16:19

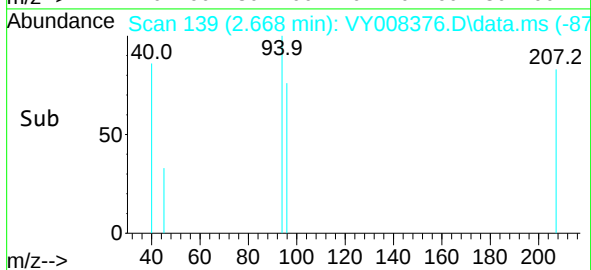
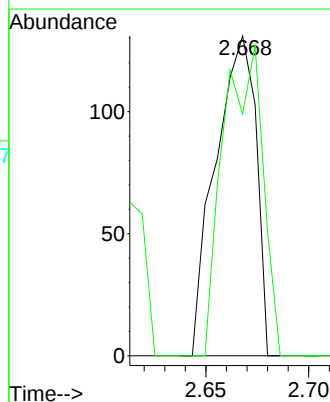
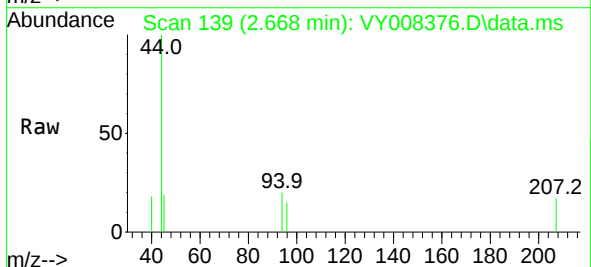
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-2

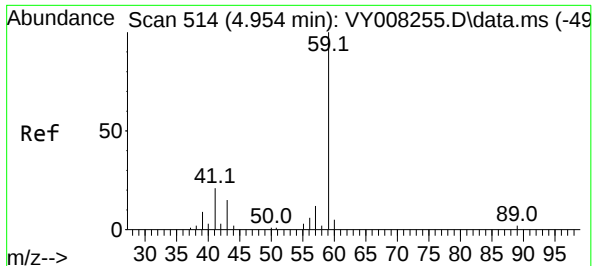
Tgt Ion:168 Resp: 32429  
Ion Ratio Lower Upper  
168 100  
99 60.0 46.9 70.3



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.668 min Scan# 139  
Delta R.T. 0.019 min  
Lab File: VY008376.D  
Acq: 18 Apr 2022 16:19

Tgt Ion: 94 Resp: 180  
Ion Ratio Lower Upper  
94 100  
96 75.6 73.5 110.3

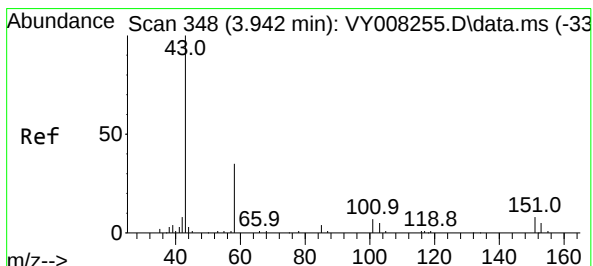
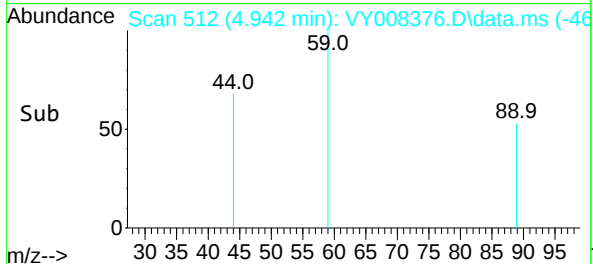
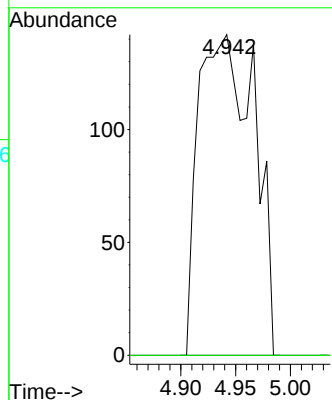
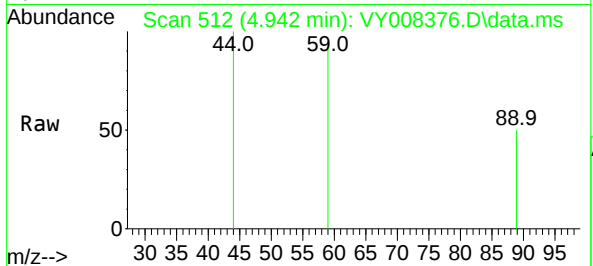




#11  
Tert butyl alcohol  
Concen: 15.384 ug/l  
RT: 4.942 min Scan# 514  
Delta R.T. -0.012 min  
Lab File: VY008376.D  
Acq: 18 Apr 2022 16:19

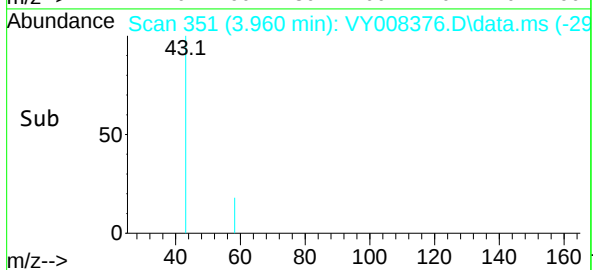
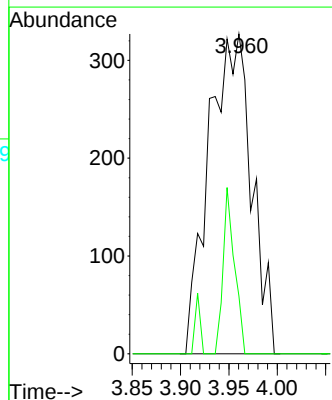
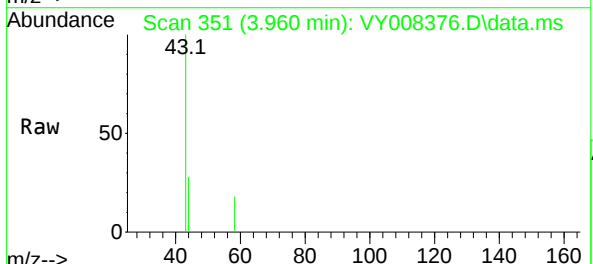
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-2

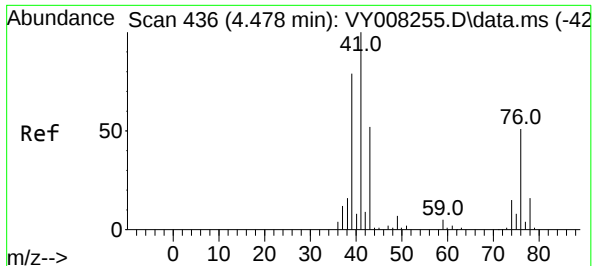
Tgt Ion: 59 Resp: 501  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#



#16  
Acetone  
Concen: 13.785 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. 0.018 min  
Lab File: VY008376.D  
Acq: 18 Apr 2022 16:19

Tgt Ion: 43 Resp: 1010  
Ion Ratio Lower Upper  
43 100  
58 18.0 22.0 33.0#

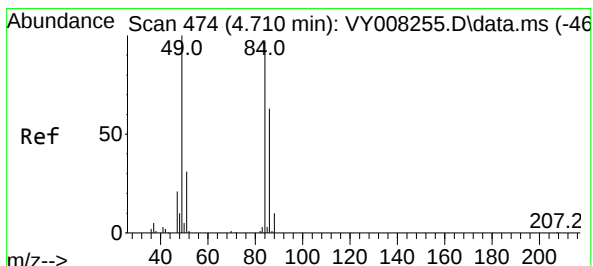
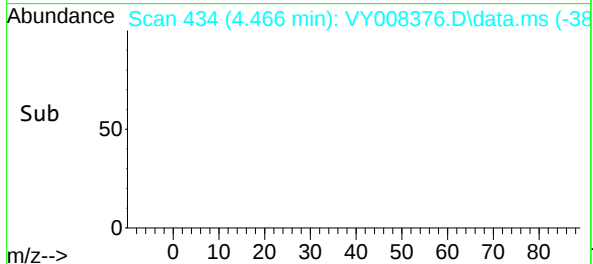
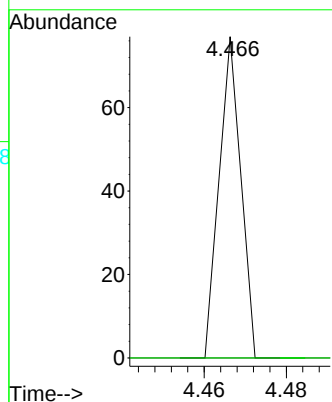
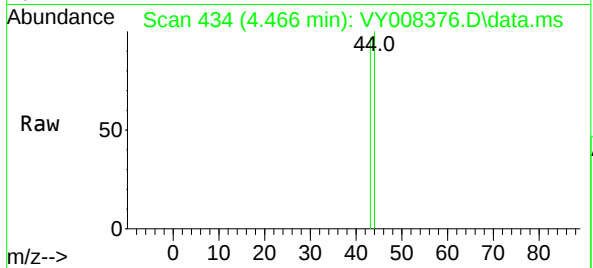




#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.466 min Scan# 41  
Delta R.T. -0.012 min  
Lab File: VY008376.D  
Acq: 18 Apr 2022 16:19

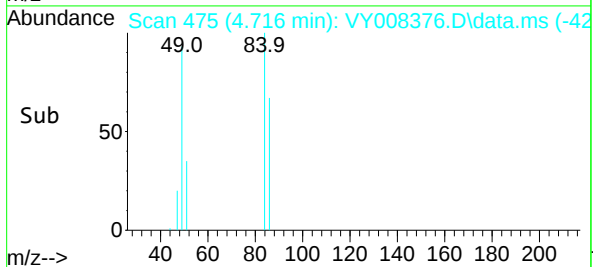
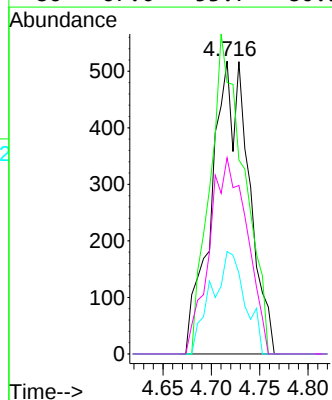
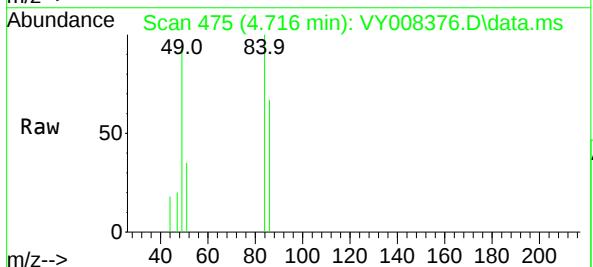
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-2

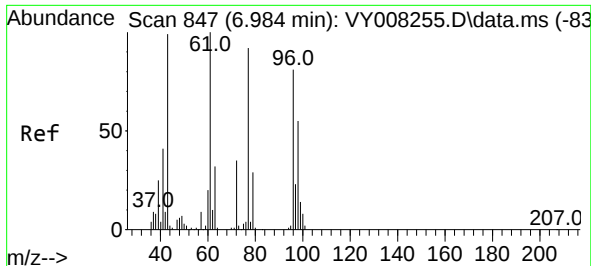
Tgt Ion: 43 Resp: 28  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 24.8#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.716 min Scan# 475  
Delta R.T. 0.006 min  
Lab File: VY008376.D  
Acq: 18 Apr 2022 16:19

Tgt Ion: 84 Resp: 1397  
Ion Ratio Lower Upper  
84 100  
49 92.7 114.4 171.6#  
51 34.9 35.3 52.9#  
86 67.0 53.7 80.5

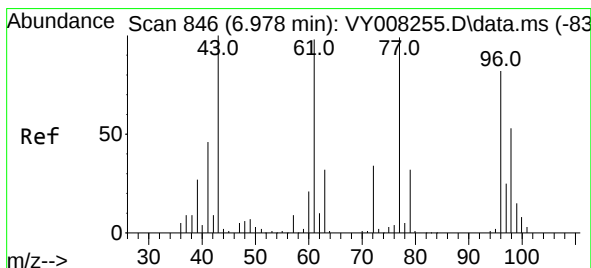
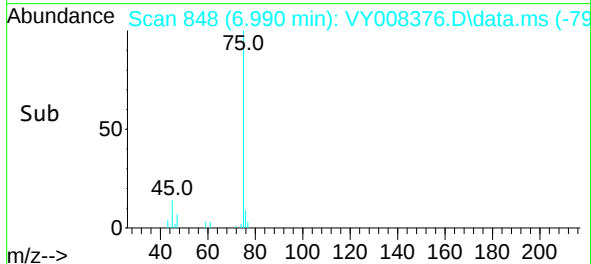
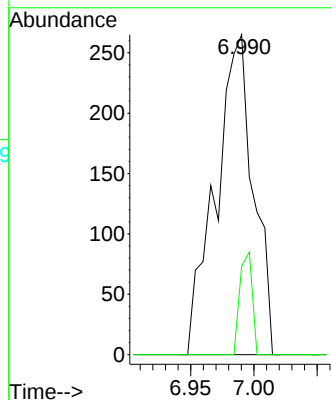
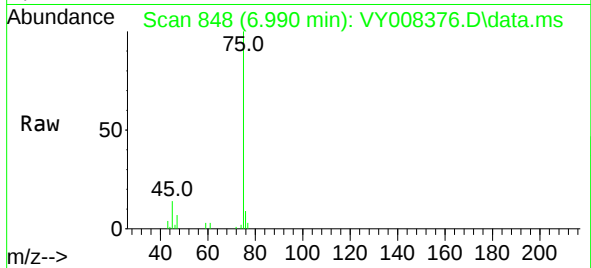




#25  
2-Butanone  
Concen: 4.792 ug/l  
RT: 6.990 min Scan# 847  
Delta R.T. 0.006 min  
Lab File: VY008376.D  
Acq: 18 Apr 2022 16:19

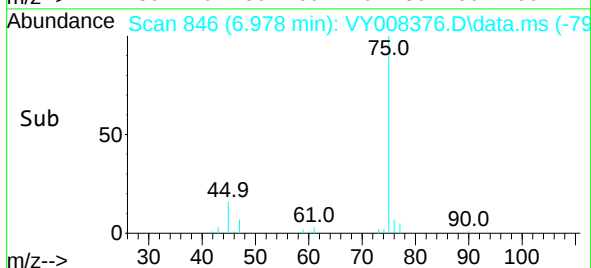
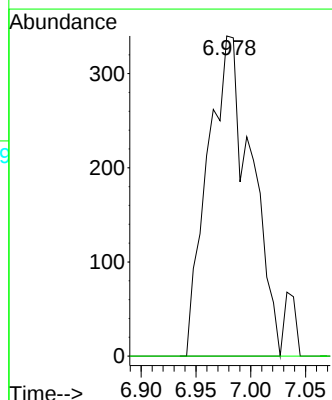
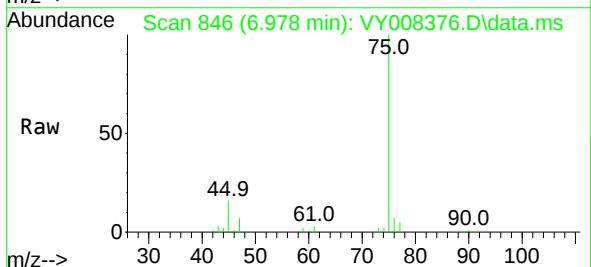
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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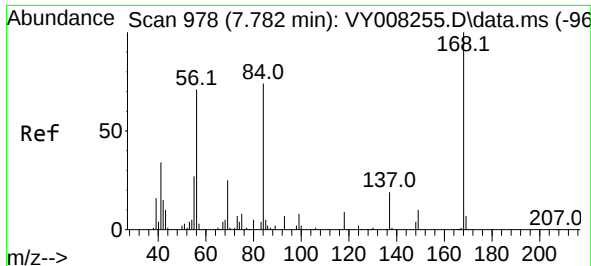
Tgt Ion: 43 Resp: 549  
Ion Ratio Lower Upper  
43 100  
72 27.5 17.7 26.5#



#26  
2,2-Dichloropropane  
Concen: 1.613 ug/l  
RT: 6.978 min Scan# 846  
Delta R.T. 0.000 min  
Lab File: VY008376.D  
Acq: 18 Apr 2022 16:19

Tgt Ion: 77 Resp: 939  
Ion Ratio Lower Upper  
77 100  
97 0.0 10.4 31.4#

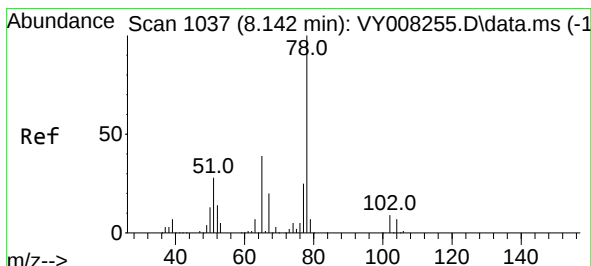
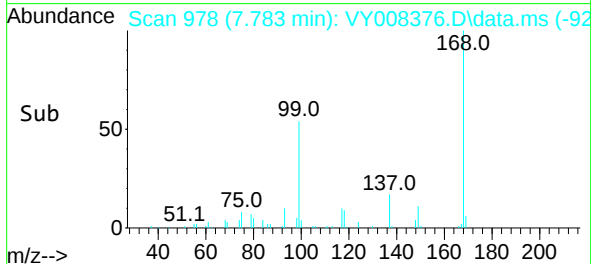
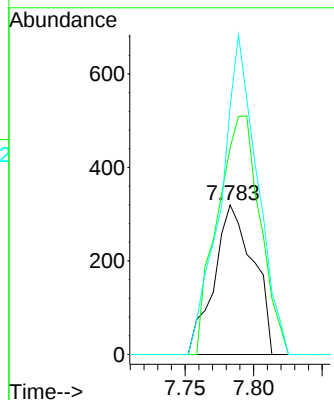
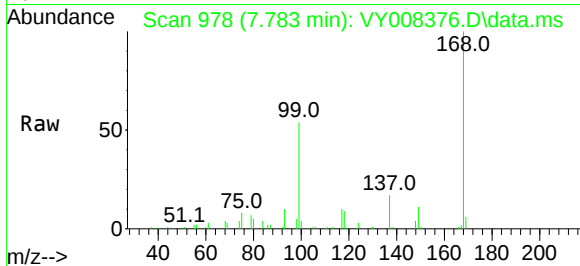




#31  
Cyclohexane  
Concen: 1.155 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. 0.001 min  
Lab File: VY008376.D  
Acq: 18 Apr 2022 16:19

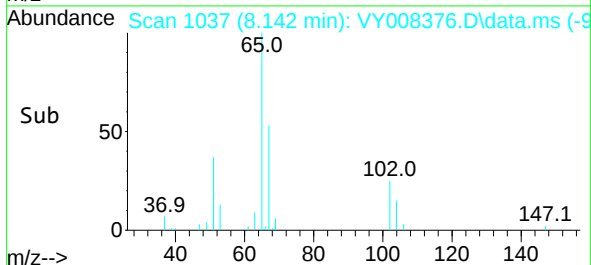
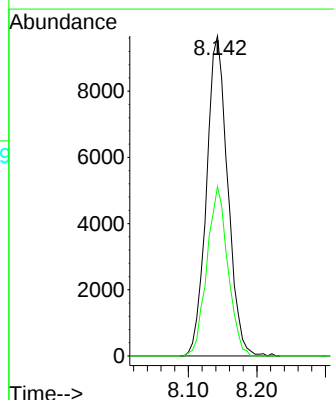
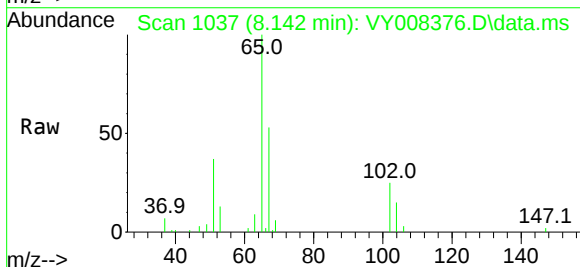
Instrument :  
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ClientSampleId :  
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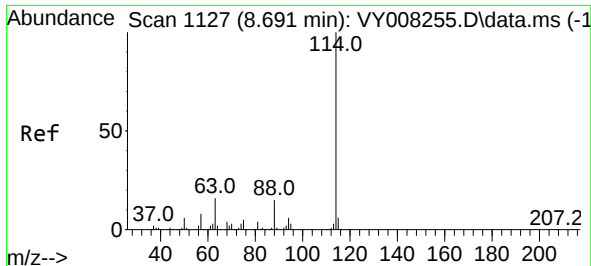
Tgt Ion: 56 Resp: 636  
Ion Ratio Lower Upper  
56 100  
69 138.1 26.7 40.1#  
84 165.6 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 68.349 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. 0.000 min  
Lab File: VY008376.D  
Acq: 18 Apr 2022 16:19

Tgt Ion: 65 Resp: 20820  
Ion Ratio Lower Upper  
65 100  
67 52.0 0.0 99.4

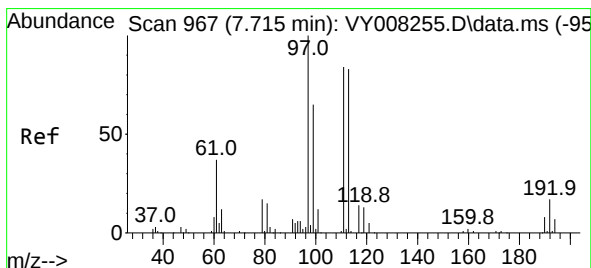
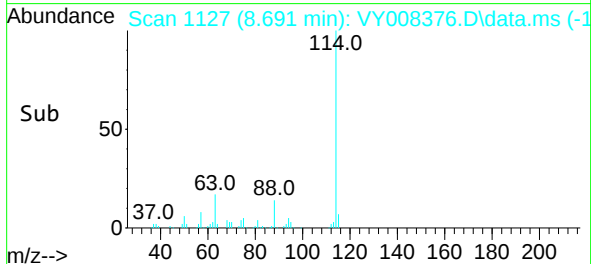
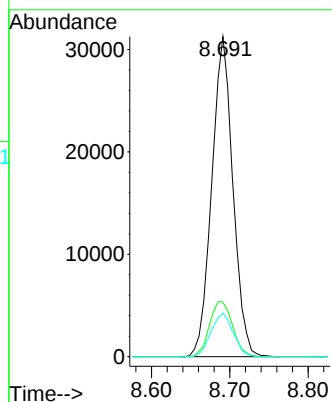
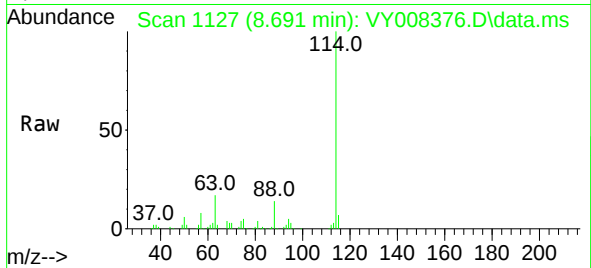




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VY008376.D  
Acq: 18 Apr 2022 16:19

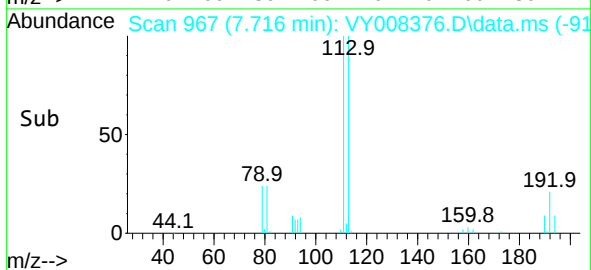
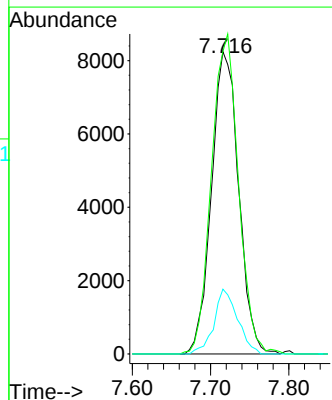
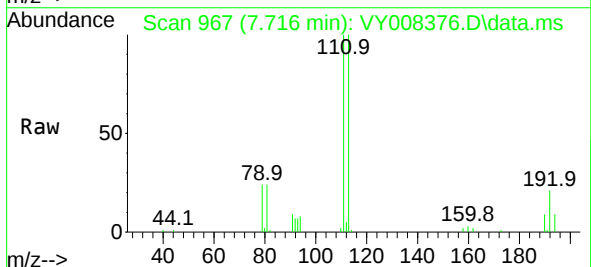
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-2

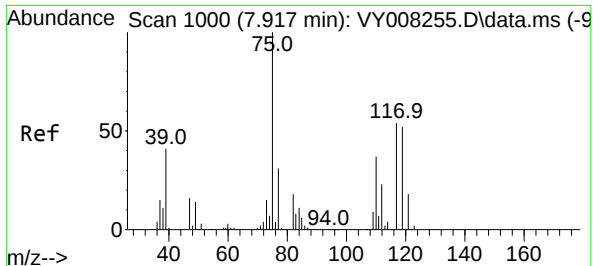
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 58614 |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 17.1  | 0.0   | 43.2  |
| 88       | 13.7  | 0.0   | 31.8  |



#35  
Dibromofluoromethane  
Concen: 58.722 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. 0.001 min  
Lab File: VY008376.D  
Acq: 18 Apr 2022 16:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 19880 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 105.1 | 82.6  | 124.0 |
| 192      | 18.6  | 17.6  | 26.4  |





#36

1,1-Dichloropropene

Concen: 5.079 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY008376.D

Acq: 18 Apr 2022 16:19

Instrument :

MSVOA\_Y

ClientSampleId :

SB-2

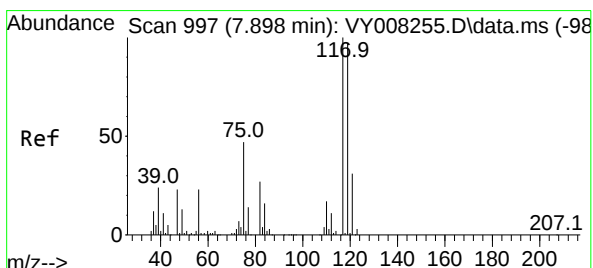
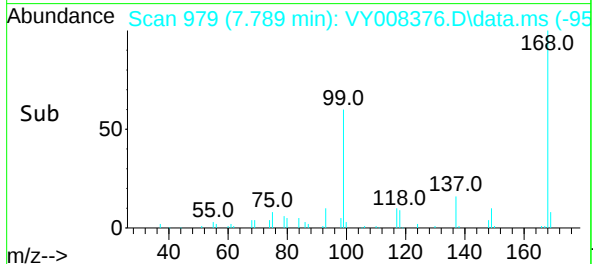
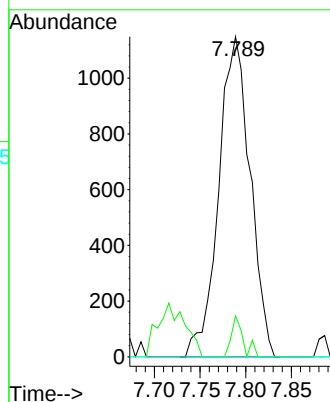
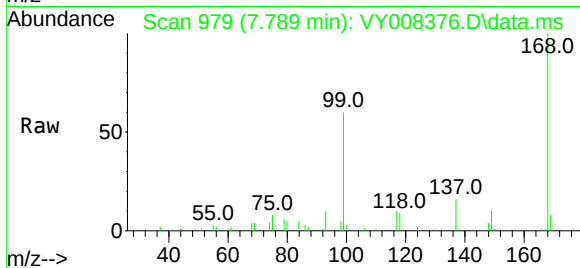
Tgt Ion: 75 Resp: 2746

Ion Ratio Lower Upper

75 100

110 4.8 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.521 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.109 min

Lab File: VY008376.D

Acq: 18 Apr 2022 16:19

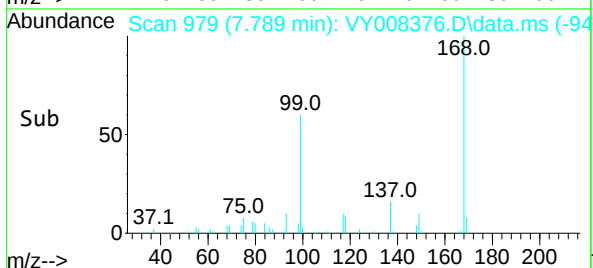
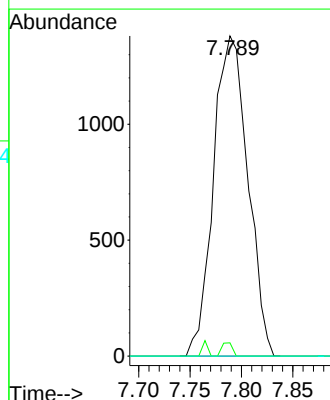
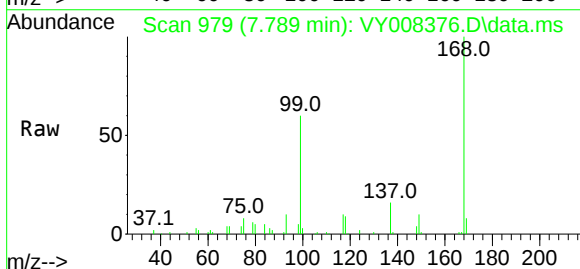
Tgt Ion: 117 Resp: 3211

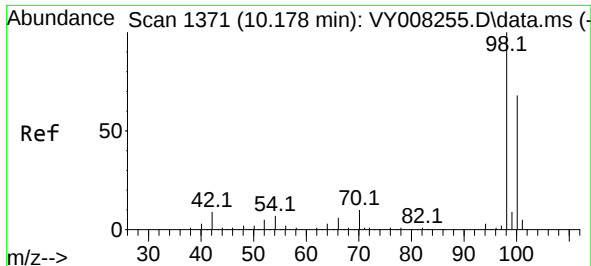
Ion Ratio Lower Upper

117 100

119 4.1 77.9 116.9#

121 0.0 24.8 37.2#

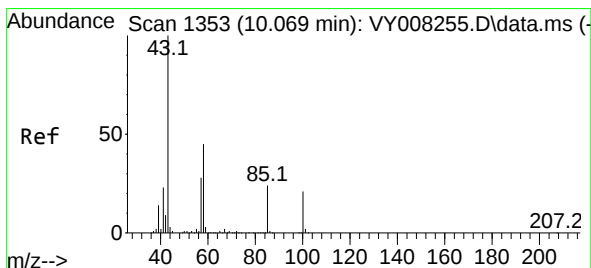
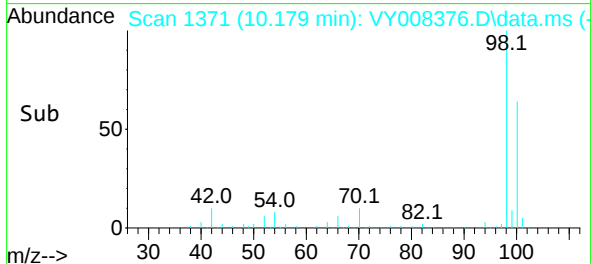
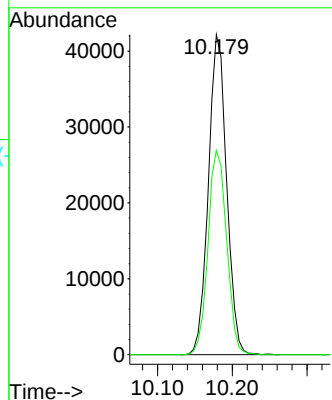
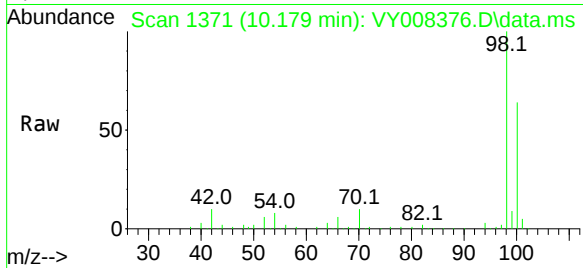




#50  
Toluene-d8  
Concen: 61.602 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VY008376.D  
Acq: 18 Apr 2022 16:19

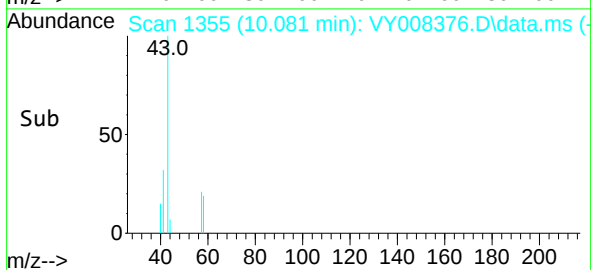
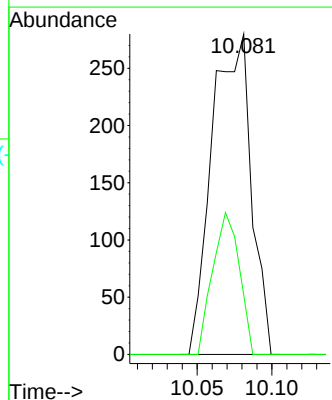
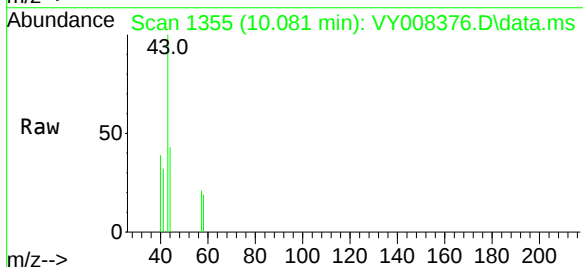
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-2

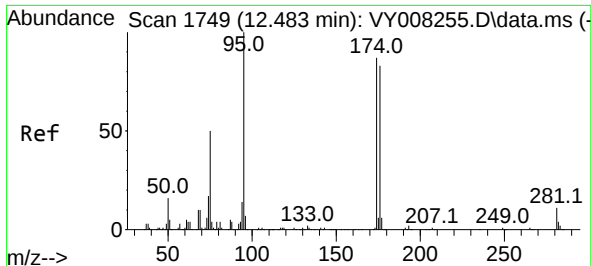
Tgt Ion: 98 Resp: 71362  
Ion Ratio Lower Upper  
98 100  
100 65.3 50.2 75.2



#51  
4-Methyl-2-Pentanone  
Concen: 1.905 ug/l  
RT: 10.081 min Scan# 1355  
Delta R.T. 0.012 min  
Lab File: VY008376.D  
Acq: 18 Apr 2022 16:19

Tgt Ion: 43 Resp: 509  
Ion Ratio Lower Upper  
43 100  
58 30.1 28.1 42.1

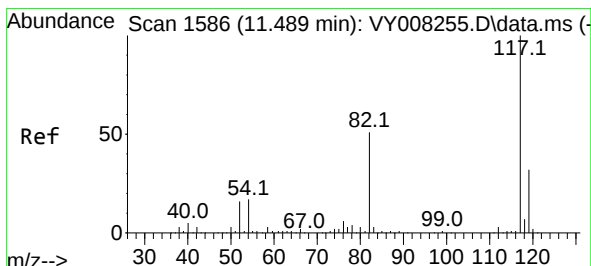
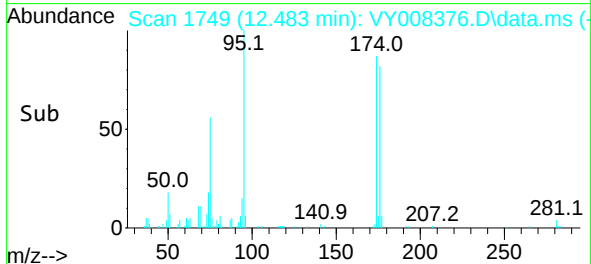
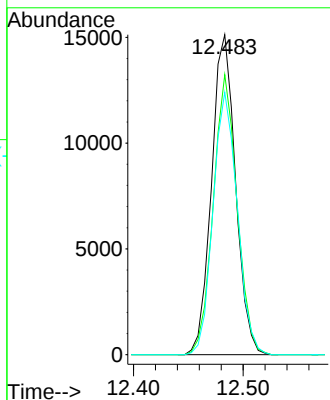
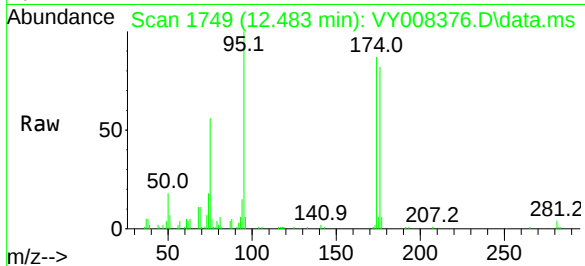




#62  
4-Bromofluorobenzene  
Concen: 52.757 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY008376.D  
Acq: 18 Apr 2022 16:19

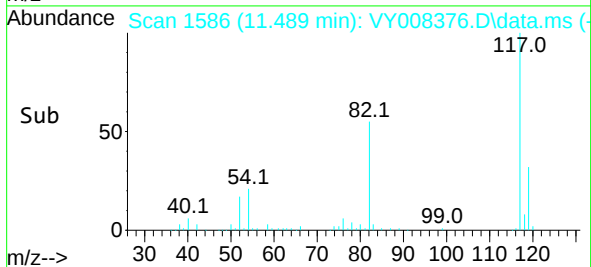
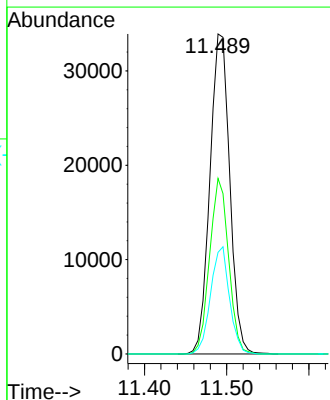
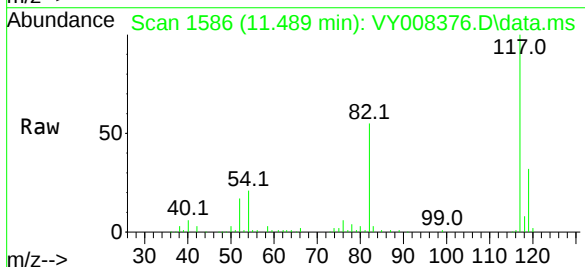
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-2

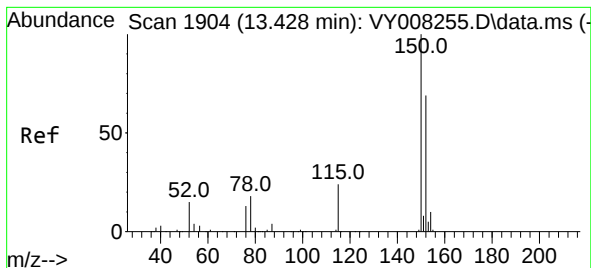
Tgt Ion: 95 Resp: 22987  
Ion Ratio Lower Upper  
95 100  
174 86.6 0.0 177.0  
176 82.7 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY008376.D  
Acq: 18 Apr 2022 16:19

Tgt Ion: 117 Resp: 56861  
Ion Ratio Lower Upper  
117 100  
82 54.9 43.0 64.4  
119 31.8 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: VY008376.D

Acq: 18 Apr 2022 16:19

Instrument :

MSVOA\_Y

ClientSampleId :

SB-2

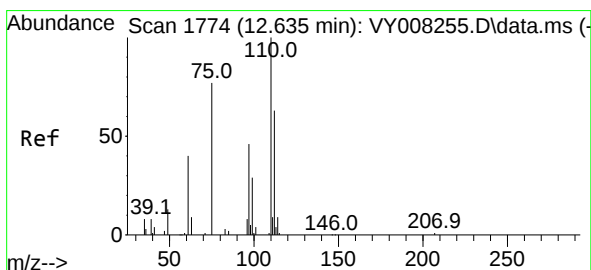
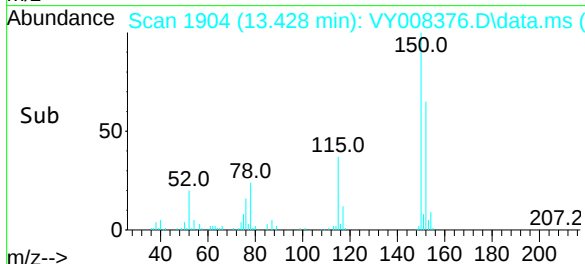
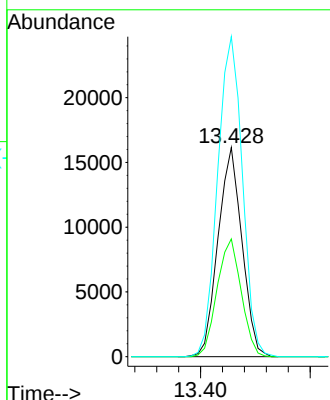
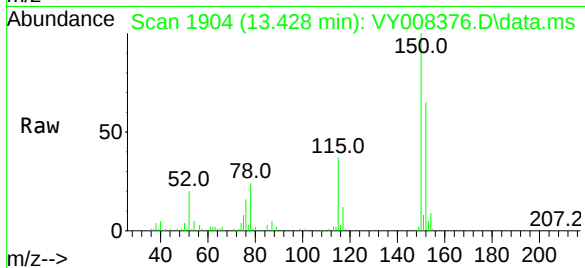
Tgt Ion:152 Resp: 24525

Ion Ratio Lower Upper

152 100

115 56.7 28.2 84.7

150 158.0 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 46.184 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY008376.D

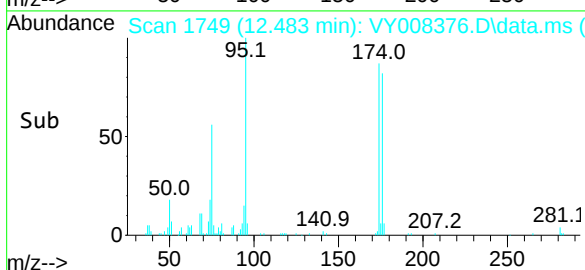
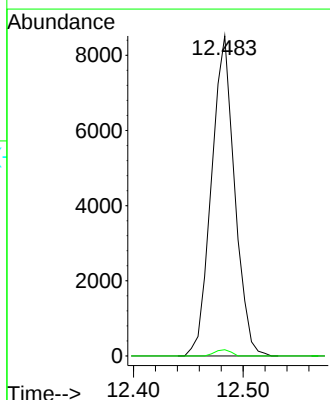
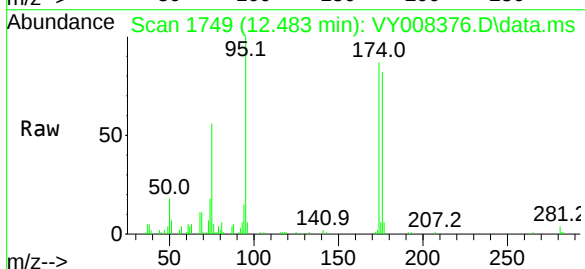
Acq: 18 Apr 2022 16:19

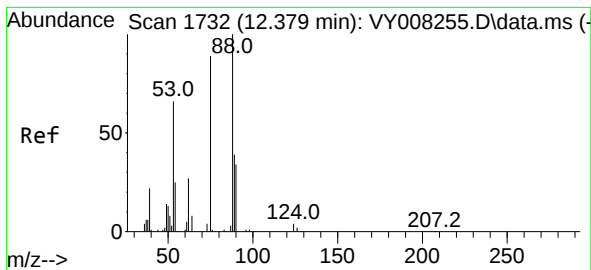
Tgt Ion: 75 Resp: 12527

Ion Ratio Lower Upper

75 100

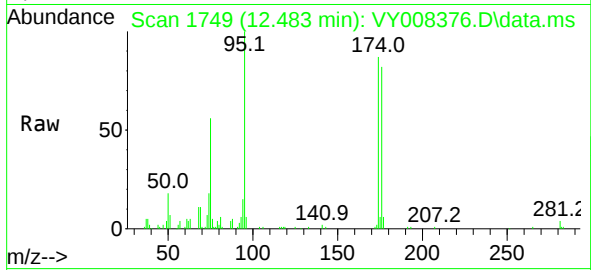
77 1.4 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 103.335 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY008376.D  
 Acq: 18 Apr 2022 16:19

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-2



| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 53      | 0.0   | 85.3  | 127.9# |
| 89      | 0.0   | 37.0  | 55.4#  |

