

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041922\  
 Data File : VY008403.D  
 Acq On : 19 Apr 2022 18:04  
 Operator : KP/MD  
 Sample : N2432-02RE  
 Misc : 7.64g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-5115

Quant Time: Apr 20 06:30:41 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

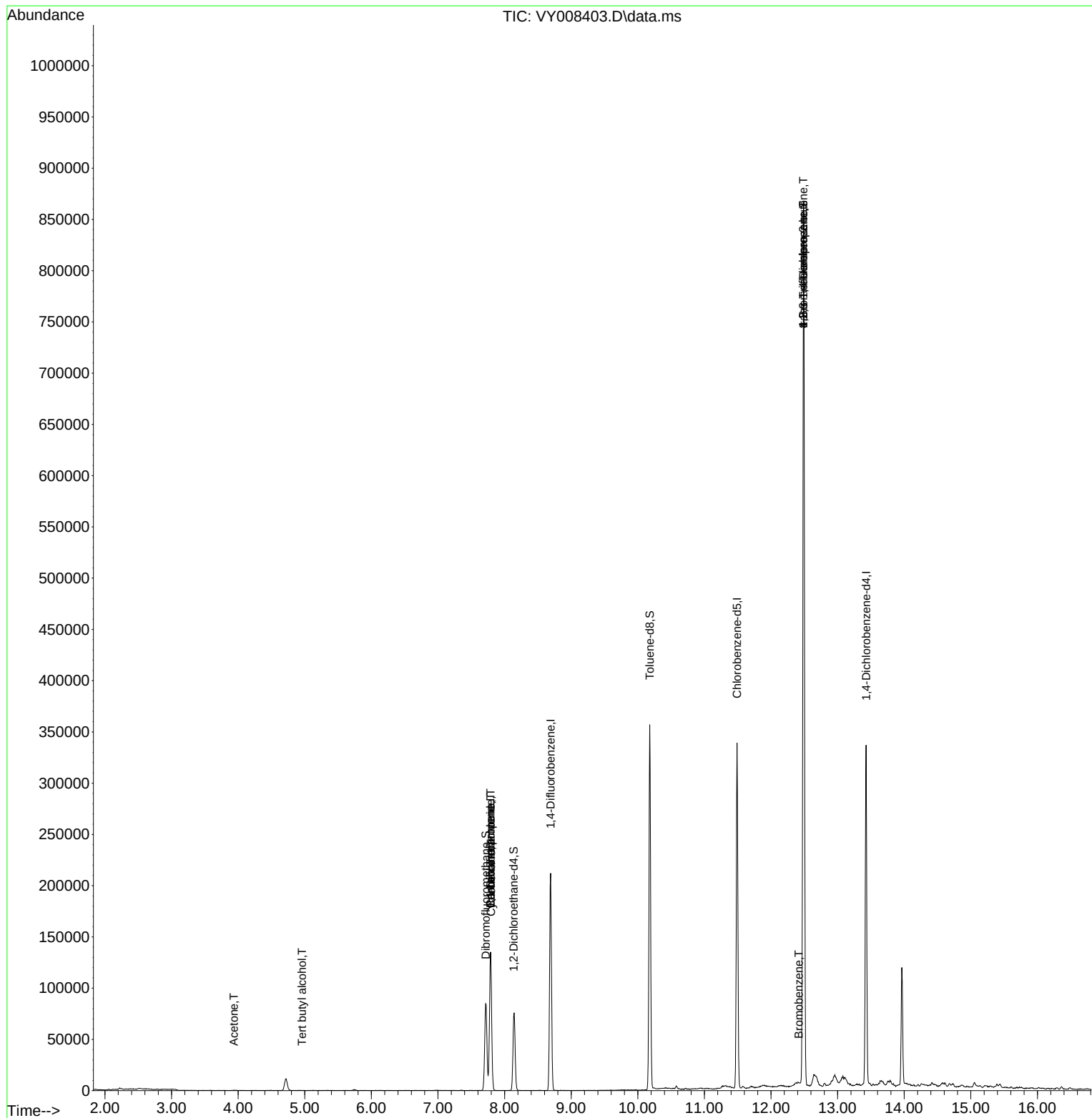
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 105716   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 189763   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 185683   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 82351    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65    | 59748    | 60.168    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 120.340% |          |
| 35) Dibromofluoromethane      | 7.716  | 113   | 60487    | 55.187    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 110.380% |          |
| 50) Toluene-d8                | 10.179 | 98    | 234247   | 62.459    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 124.920% |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 84217    | 59.702    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 119.400% |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 3) Chloromethane              | 2.119  | 50    | 160      | Below Cal | #          | 44       |
| 5) Bromomethane               | 2.650  | 94    | 95       | Below Cal | #          | 4        |
| 11) Tert butyl alcohol        | 4.960  | 59    | 114      | 1.074     | ug/l #     | 77       |
| 16) Acetone                   | 3.936  | 43    | 615      | 2.575     | ug/l #     | 47       |
| 18) Methyl Acetate            | 4.479  | 43    | 280      | Below Cal | #          | 56       |
| 20) Methylene Chloride        | 4.722  | 84    | 9349     | Below Cal | #          | 75       |
| 31) Cyclohexane               | 7.795  | 56    | 2179     | 1.213     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 7949     | 4.542     | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 10474    | 5.563     | ug/l #     | 14       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 50223    | 55.143    | ug/l #     | 100      |
| 77) Bromobenzene              | 12.416 | 156   | 3822     | 2.547     | ug/l #     | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 50223    | 123.380   | ug/l #     | 10       |
| -----                         |        |       |          |           |            |          |

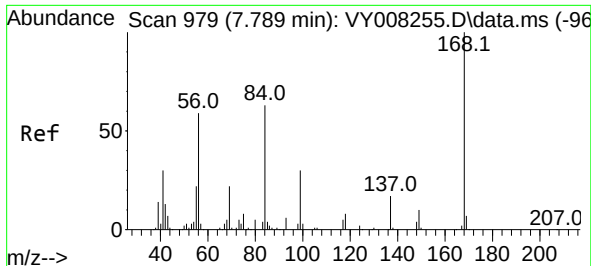
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041922\  
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Sample : N2432-02RE  
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Instrument :  
MSVOA\_Y  
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SB-5115

Quant Time: Apr 20 06:30:41 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

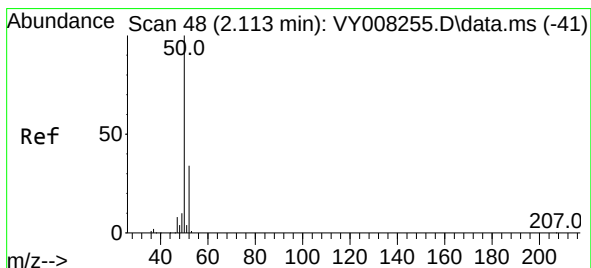
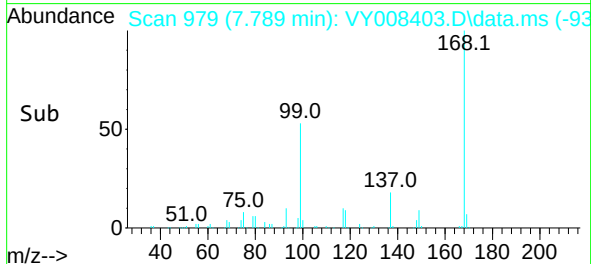
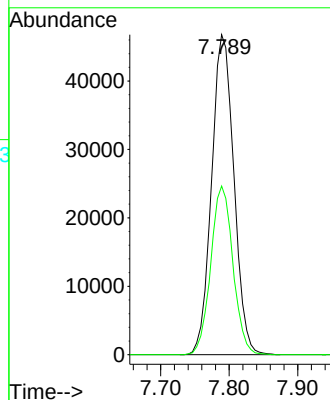
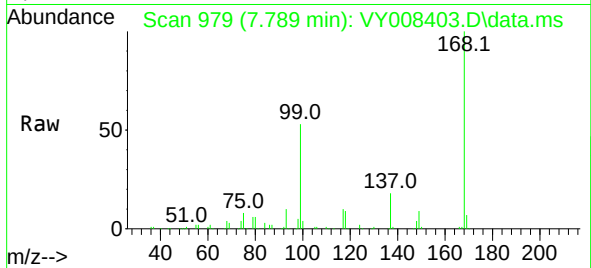




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008403.D  
Acq: 19 Apr 2022 18:04

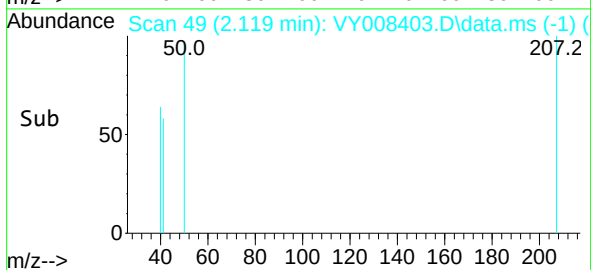
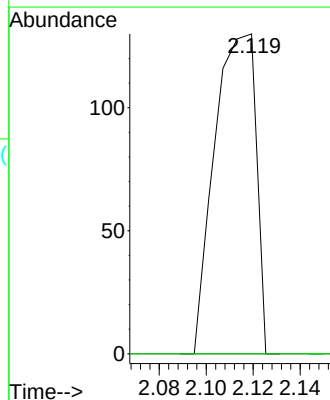
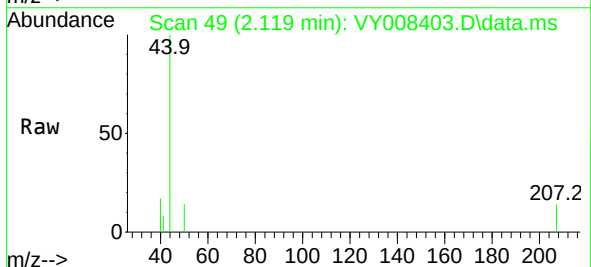
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-5115

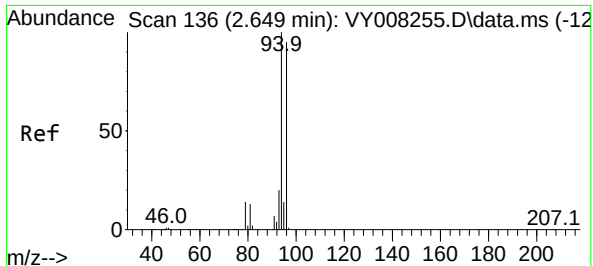
Tgt Ion:168 Resp: 105716  
Ion Ratio Lower Upper  
168 100  
99 52.7 46.9 70.3



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.119 min Scan# 49  
Delta R.T. 0.006 min  
Lab File: VY008403.D  
Acq: 19 Apr 2022 18:04

Tgt Ion: 50 Resp: 160  
Ion Ratio Lower Upper  
50 100  
52 0.0 24.6 37.0#

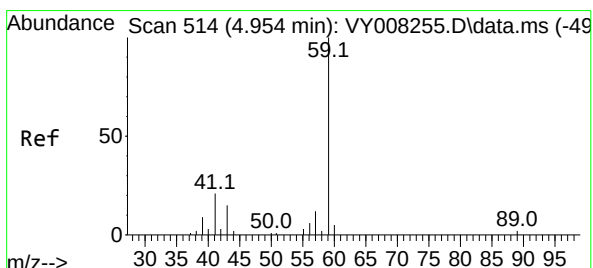
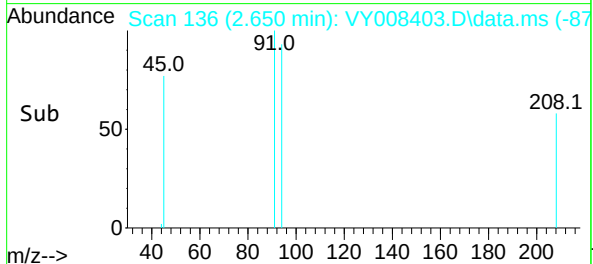
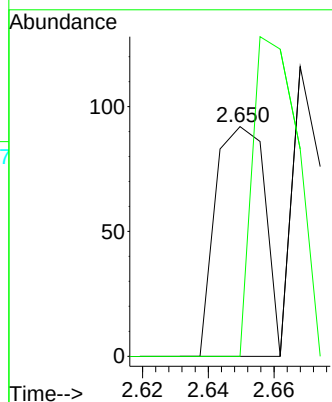
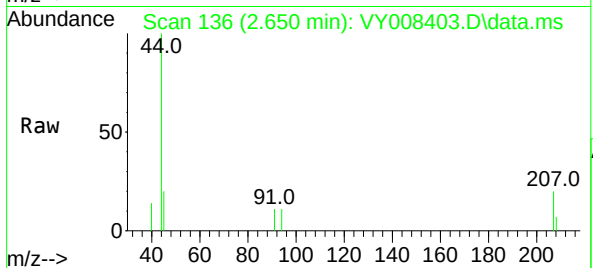




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.650 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VY008403.D  
Acq: 19 Apr 2022 18:04

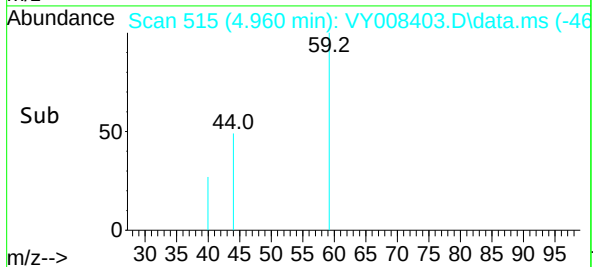
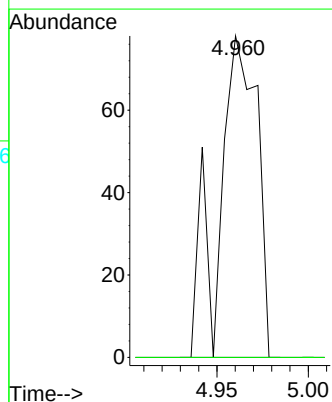
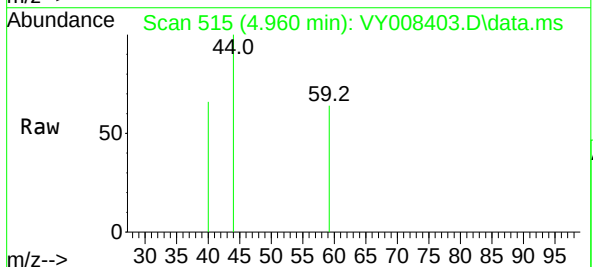
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-5115

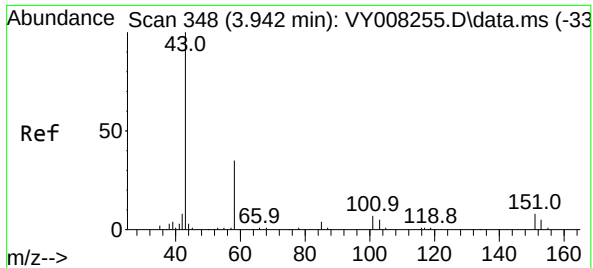
Tgt Ion: 94 Resp: 95  
Ion Ratio Lower Upper  
94 100  
96 0.0 73.5 110.3#



#11  
Tert butyl alcohol  
Concen: 1.074 ug/l  
RT: 4.960 min Scan# 515  
Delta R.T. 0.006 min  
Lab File: VY008403.D  
Acq: 19 Apr 2022 18:04

Tgt Ion: 59 Resp: 114  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#

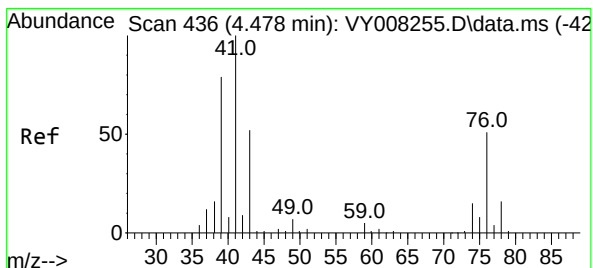
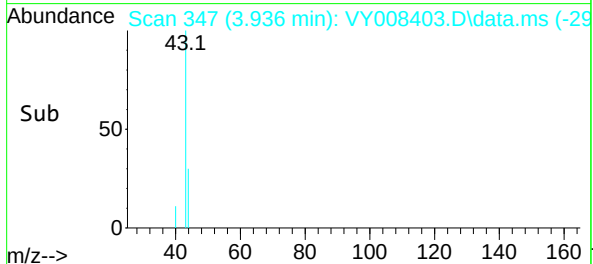
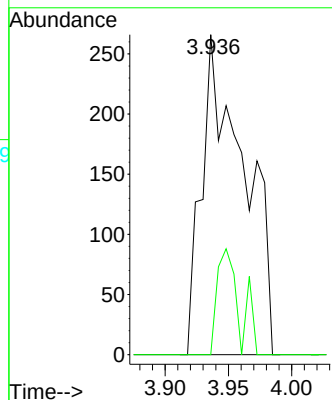
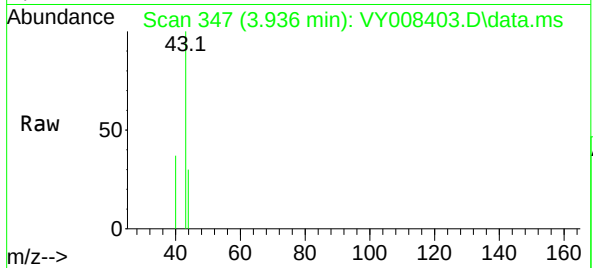




#16  
Acetone  
Concen: 2.575 ug/l  
RT: 3.936 min Scan# 348  
Delta R.T. -0.006 min  
Lab File: VY008403.D  
Acq: 19 Apr 2022 18:04

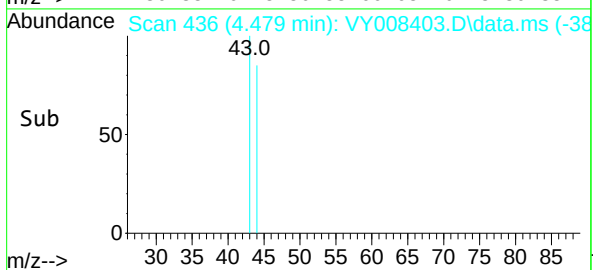
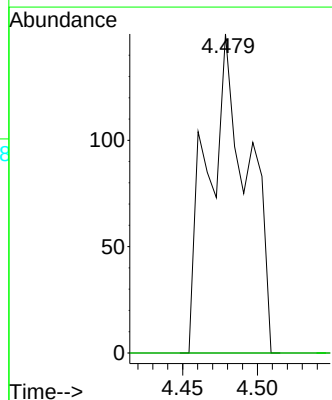
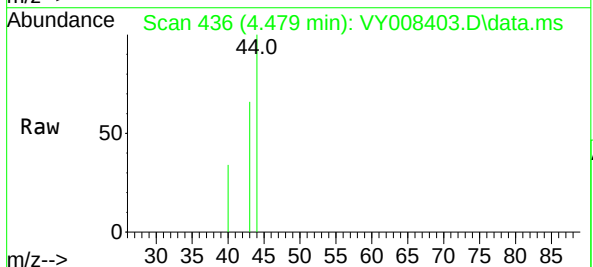
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-5115

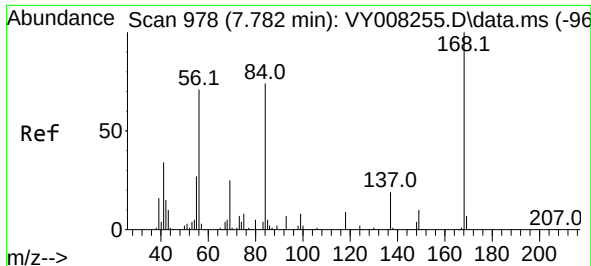
Tgt Ion: 43 Resp: 615  
Ion Ratio Lower Upper  
43 100  
58 0.0 22.0 33.0#



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.479 min Scan# 436  
Delta R.T. 0.001 min  
Lab File: VY008403.D  
Acq: 19 Apr 2022 18:04

Tgt Ion: 43 Resp: 280  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 24.8#

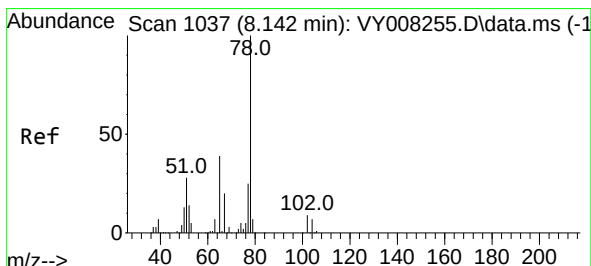
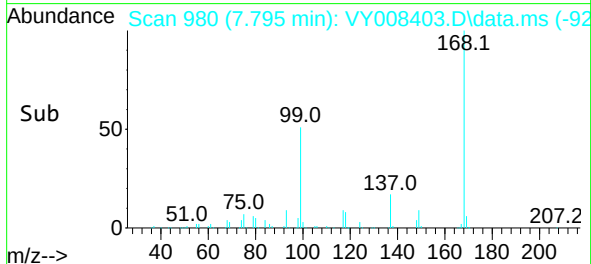
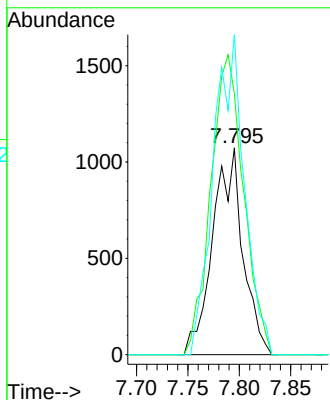
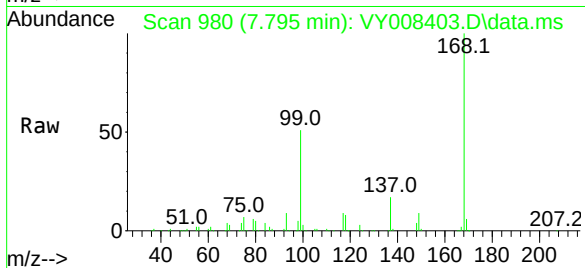




#31  
Cyclohexane  
Concen: 1.213 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.013 min  
Lab File: VY008403.D  
Acq: 19 Apr 2022 18:04

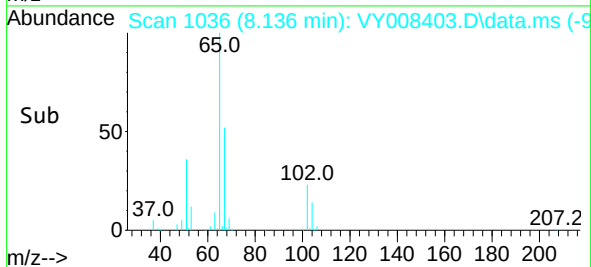
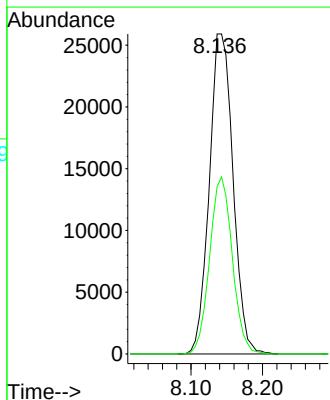
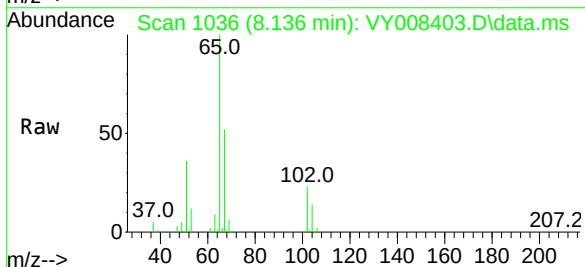
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-5115

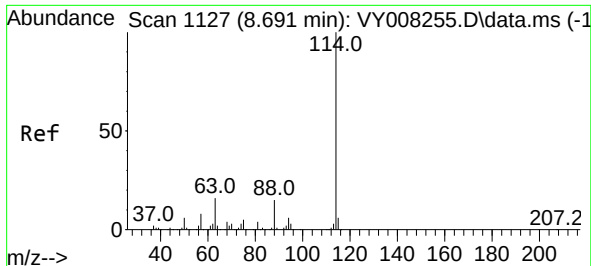
Tgt Ion: 56 Resp: 2179  
Ion Ratio Lower Upper  
56 100  
69 126.2 26.7 40.1#  
84 154.7 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 60.168 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: VY008403.D  
Acq: 19 Apr 2022 18:04

Tgt Ion: 65 Resp: 59748  
Ion Ratio Lower Upper  
65 100  
67 52.9 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: VY008403.D

Acq: 19 Apr 2022 18:04

Instrument :

MSVOA\_Y

ClientSampleId :

SB-5115

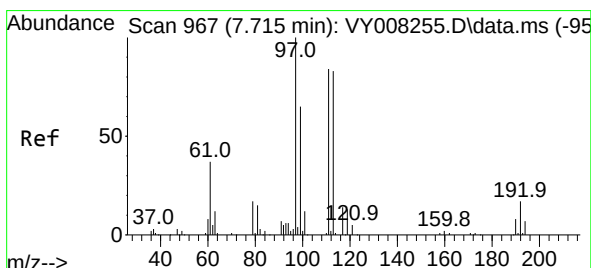
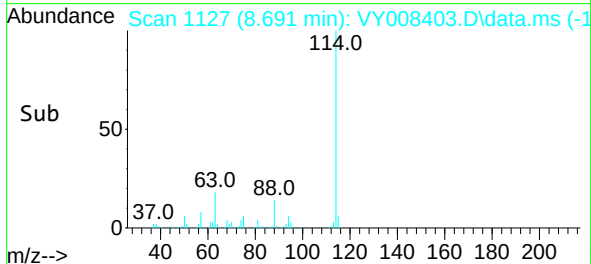
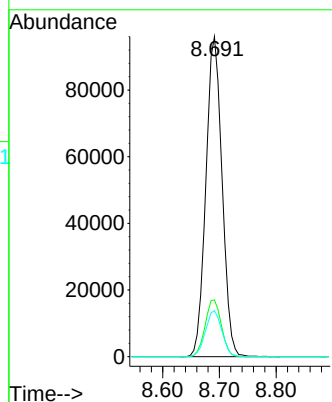
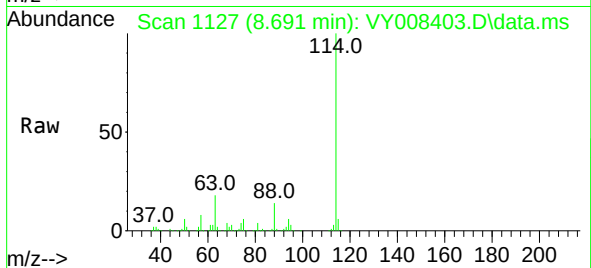
Tgt Ion:114 Resp: 189763

Ion Ratio Lower Upper

114 100

63 17.7 0.0 43.2

88 14.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 55.187 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.001 min

Lab File: VY008403.D

Acq: 19 Apr 2022 18:04

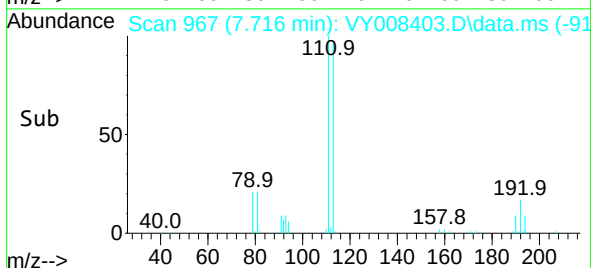
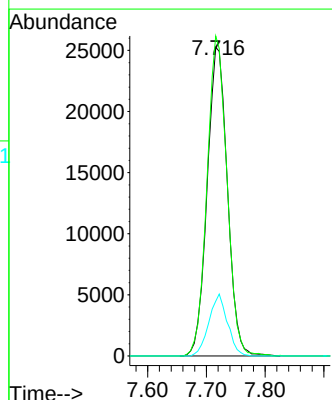
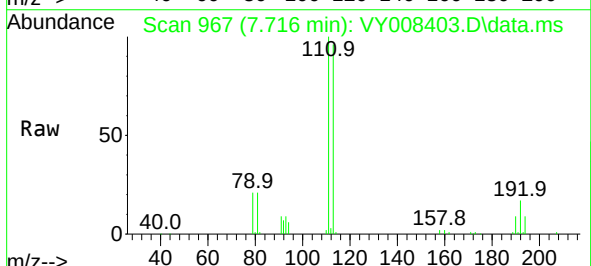
Tgt Ion:113 Resp: 60487

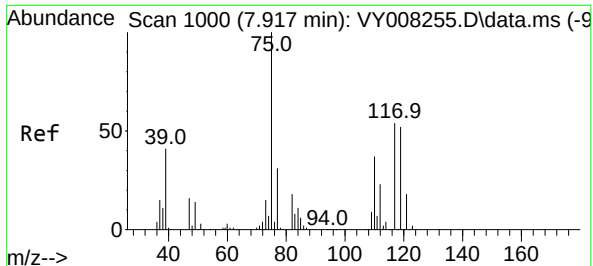
Ion Ratio Lower Upper

113 100

111 102.0 82.6 124.0

192 18.3 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.542 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY008403.D

Acq: 19 Apr 2022 18:04

Instrument :

MSVOA\_Y

ClientSampleId :

SB-5115

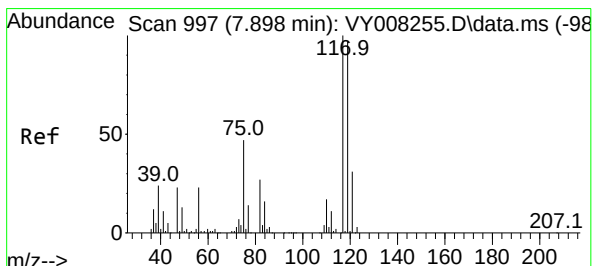
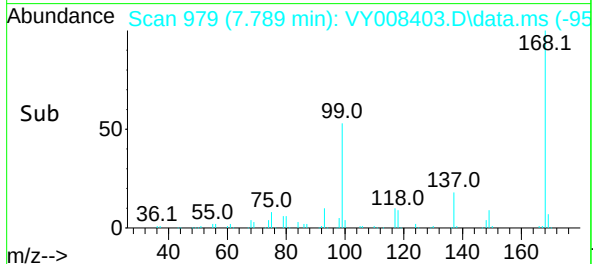
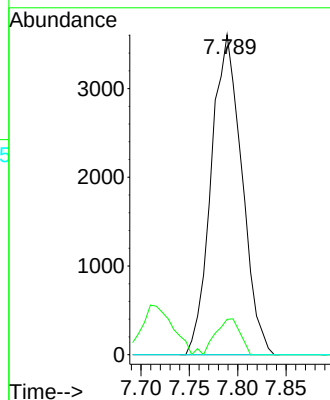
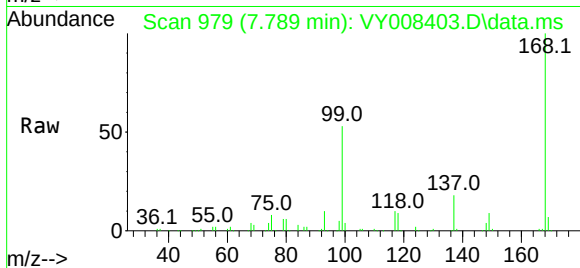
Tgt Ion: 75 Resp: 7949

Ion Ratio Lower Upper

75 100

110 8.8 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.563 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.109 min

Lab File: VY008403.D

Acq: 19 Apr 2022 18:04

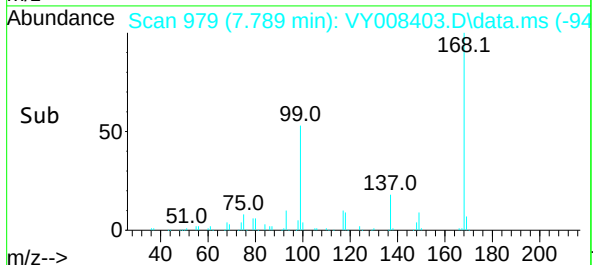
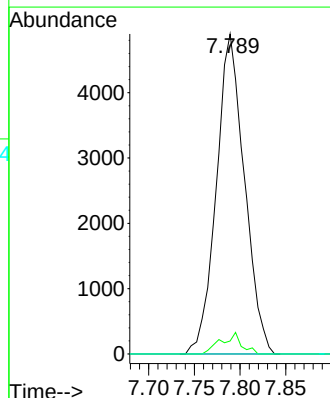
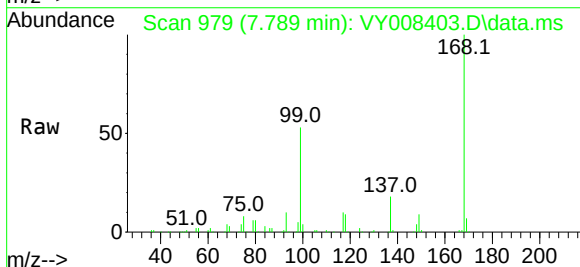
Tgt Ion: 117 Resp: 10474

Ion Ratio Lower Upper

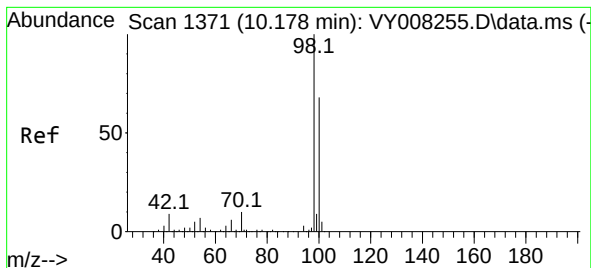
117 100

119 4.0 77.9 116.9#

121 0.0 24.8 37.2#







#50

Toluene-d8

Concen: 62.459 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.001 min

Lab File: VY008403.D

Acq: 19 Apr 2022 18:04

Instrument :

MSVOA\_Y

ClientSampleId :

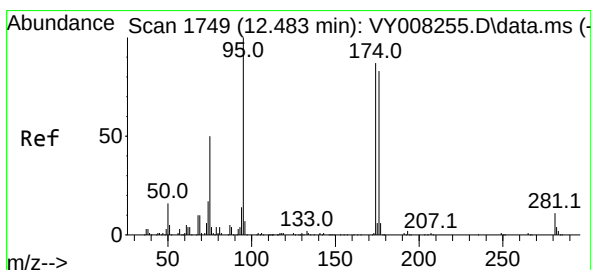
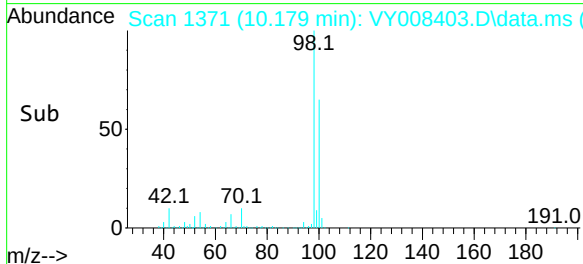
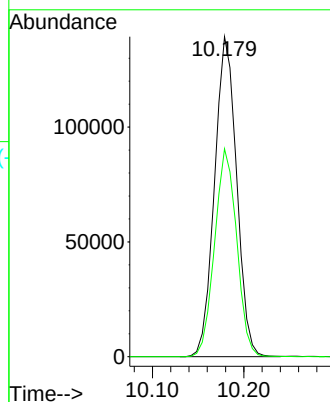
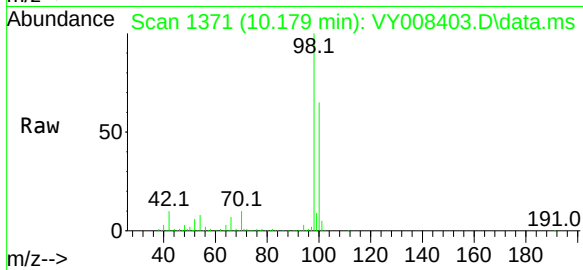
SB-5115

Tgt Ion: 98 Resp: 234247

Ion Ratio Lower Upper

98 100

100 64.9 50.2 75.2



#62

4-Bromofluorobenzene

Concen: 59.702 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY008403.D

Acq: 19 Apr 2022 18:04

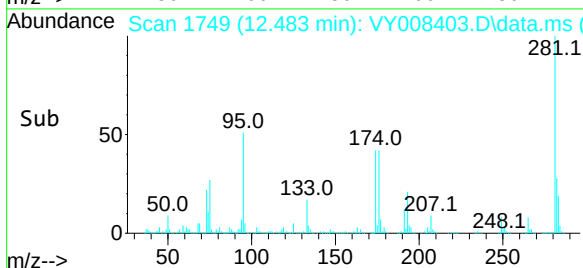
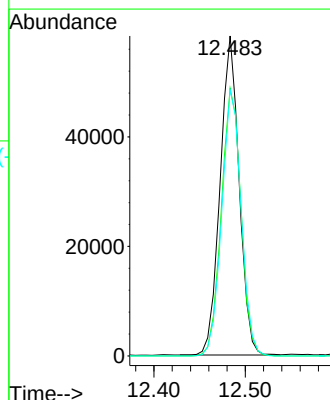
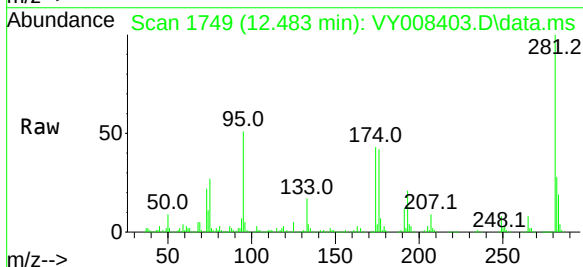
Tgt Ion: 95 Resp: 84217

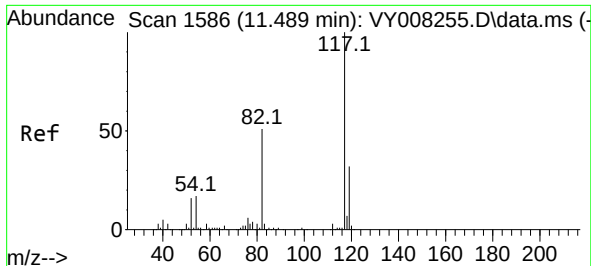
Ion Ratio Lower Upper

95 100

174 86.7 0.0 177.0

176 85.2 0.0 175.8

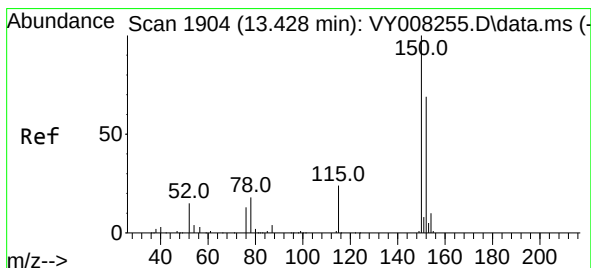
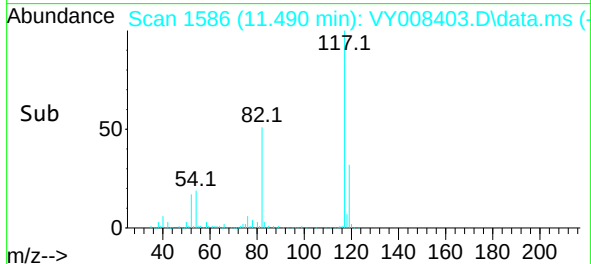
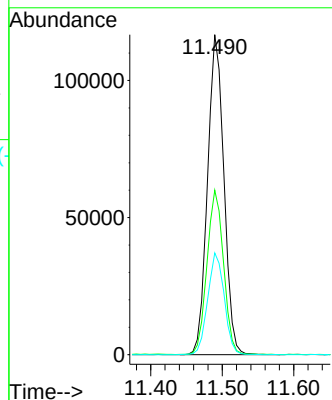
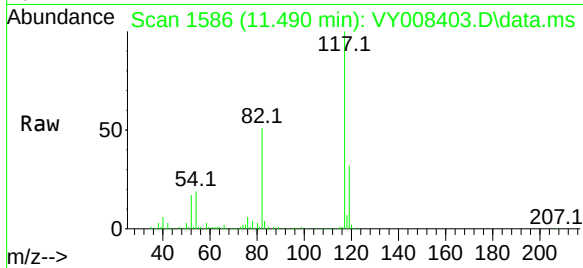




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VY008403.D  
Acq: 19 Apr 2022 18:04

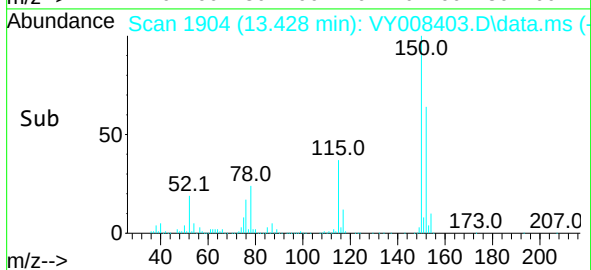
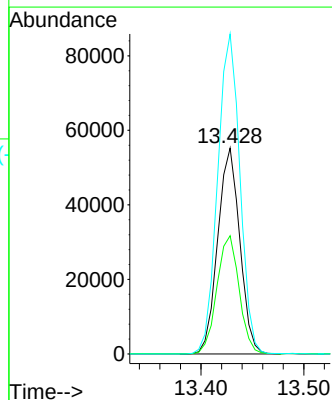
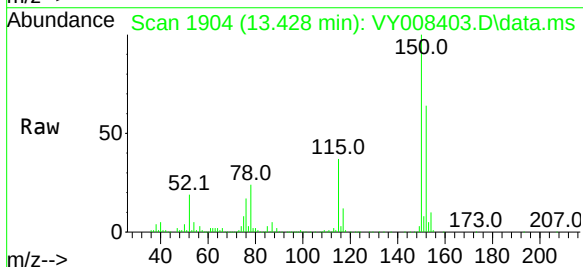
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-5115

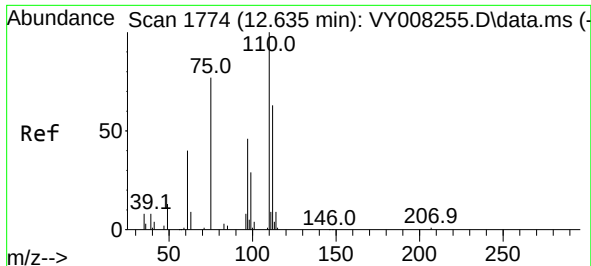
Tgt Ion:117 Resp: 185683  
Ion Ratio Lower Upper  
117 100  
82 51.3 43.0 64.4  
119 31.8 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY008403.D  
Acq: 19 Apr 2022 18:04

Tgt Ion:152 Resp: 82351  
Ion Ratio Lower Upper  
152 100  
115 57.9 28.2 84.7  
150 156.9 0.0 347.6

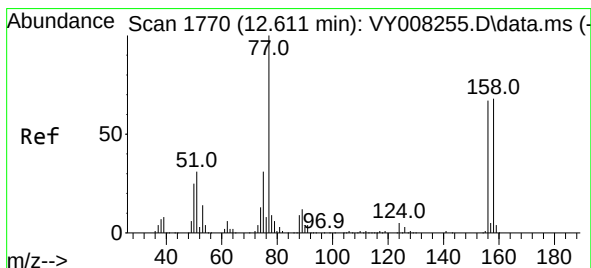
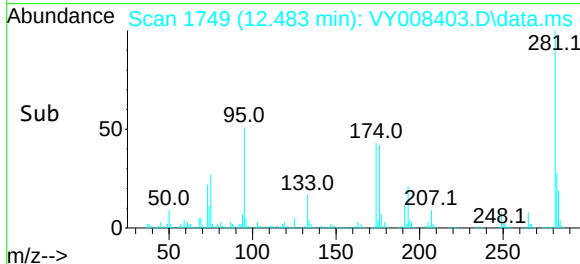
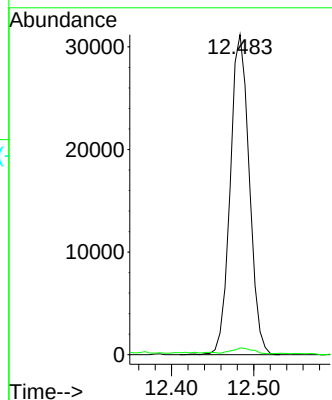
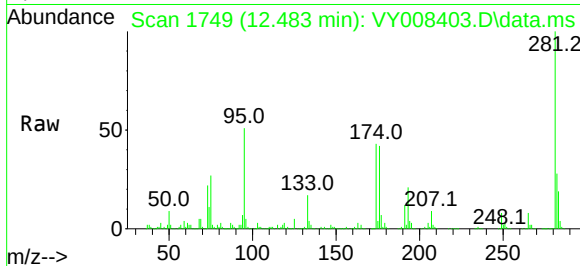




#76  
1,2,3-Trichloropropane  
Concen: 55.143 ug/l  
RT: 12.483 min Scan# 1738  
Delta R.T. -0.152 min  
Lab File: VY008403.D  
Acq: 19 Apr 2022 18:04

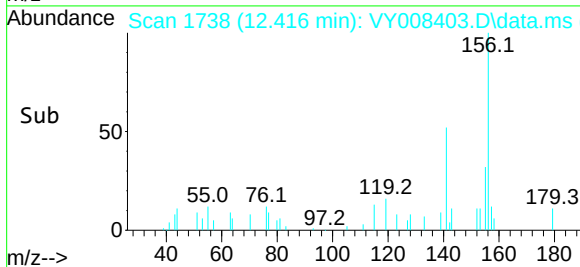
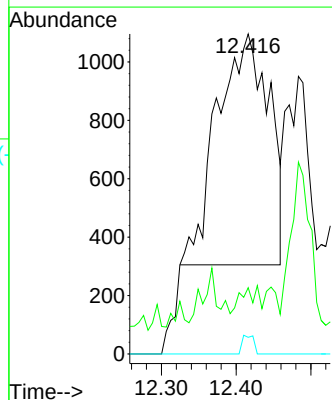
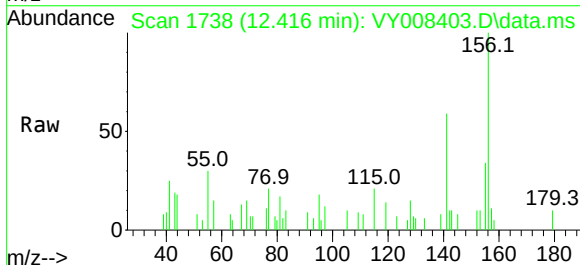
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-5115

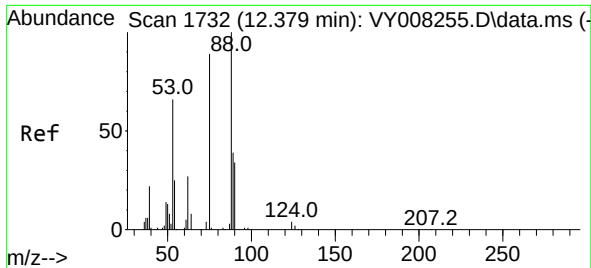
Tgt Ion: 75 Resp: 50223  
Ion Ratio Lower Upper  
75 100  
77 1.9 0.0 0.0#



#77  
Bromobenzene  
Concen: 2.547 ug/l  
RT: 12.416 min Scan# 1738  
Delta R.T. -0.195 min  
Lab File: VY008403.D  
Acq: 19 Apr 2022 18:04

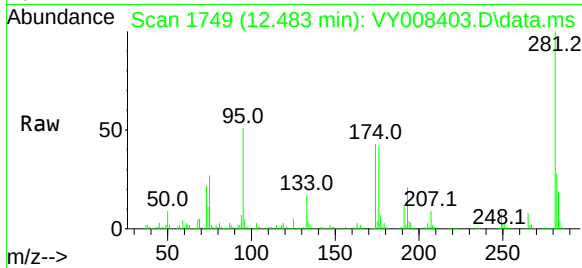
Tgt Ion: 156 Resp: 3822  
Ion Ratio Lower Upper  
156 100  
77 2.6 95.5 286.4#  
158 1.8 48.0 144.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 123.380 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY008403.D  
 Acq: 19 Apr 2022 18:04

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-5115



Tgt Ion: 75 Resp: 50223  
 Ion Ratio Lower Upper  
 75 100  
 53 0.4 85.3 127.9#  
 89 4.5 37.0 55.4#

