

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031122\  
 Data File : VY007845.D  
 Acq On : 11 Mar 2022 11:32  
 Operator : SY/MD  
 Sample : N1853-01  
 Misc : 6.42g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SR-EX2A-BASE-01

Quant Time: Mar 11 23:20:18 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022822S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 01 09:08:03 2022  
 Response via : Initial Calibration

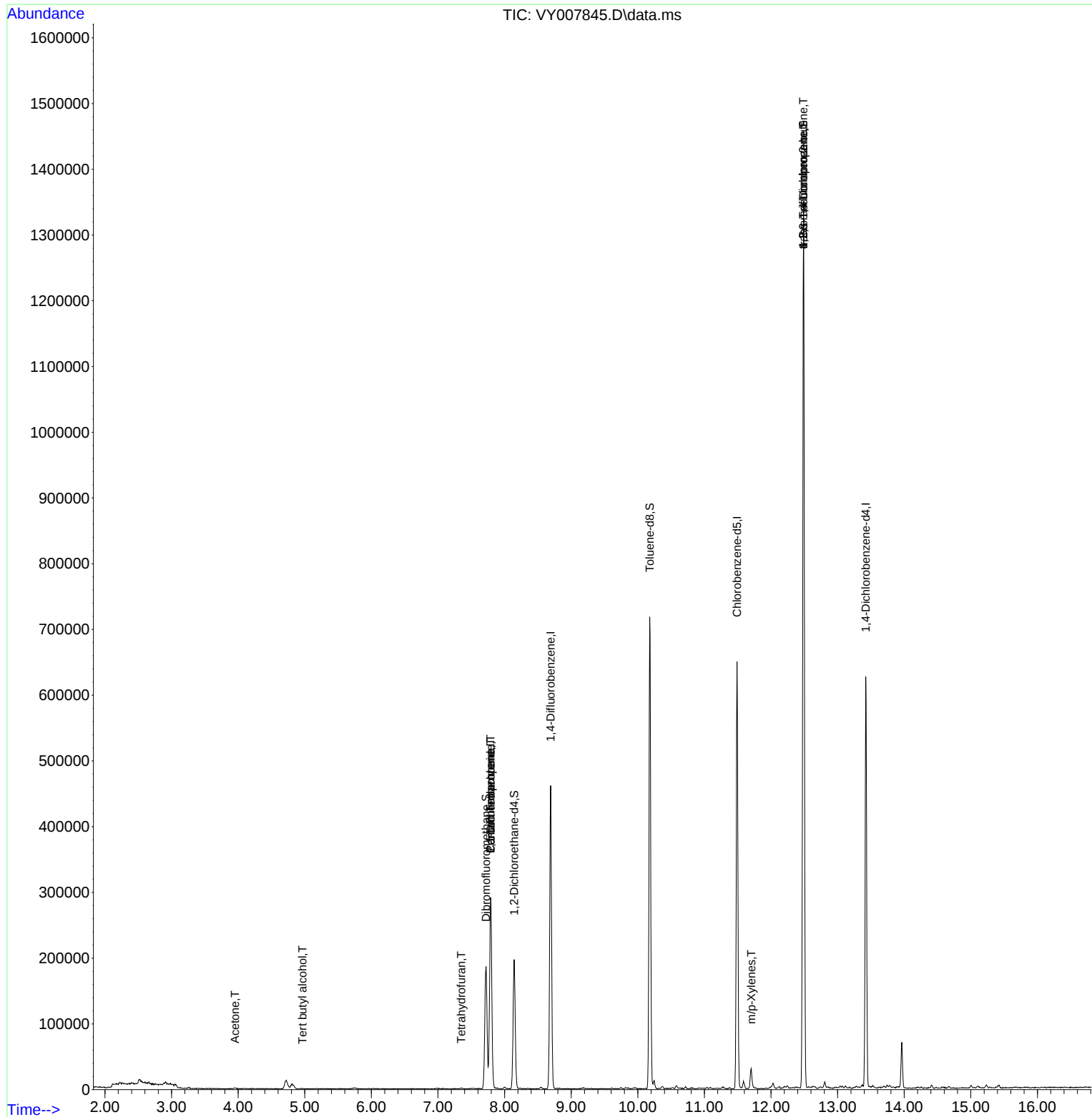
| Compound                      | R.T.   | QIon  | Response | Conc         | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|--------------|------------|----------|
| -----                         |        |       |          |              |            |          |
| Internal Standards            |        |       |          |              |            |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 221560   | 50.000       | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 375971   | 50.000       | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 342814   | 50.000       | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 150099   | 50.000       | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |              |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.143  | 65    | 148723   | 64.118       | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery     | = 128.240% |          |
| 35) Dibromofluoromethane      | 7.722  | 113   | 128100   | 53.293       | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery     | = 106.580% |          |
| 50) Toluene-d8                | 10.179 | 98    | 464734   | 52.523       | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery     | = 105.040% |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 143762   | 50.405       | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery     | = 100.800% |          |
| Target Compounds              |        |       |          |              |            |          |
|                               |        |       |          |              |            | Qvalue   |
| 3) Chloromethane              | 2.119  | 50    | 1831     | Below Cal    |            | 100      |
| 11) Tert butyl alcohol        | 4.966  | 59    | 203      | 1.011 ug/l   | #          | 77       |
| 13) Acrolein                  | 3.747  | 56    | 18       | Below Cal    | #          | 60       |
| 16) Acetone                   | 3.954  | 43    | 1516     | 3.213 ug/l   |            | 96       |
| 17) Carbon Disulfide          | 4.204  | 76    | 240      | Below Cal    | #          | 75       |
| 18) Methyl Acetate            | 4.479  | 43    | 100      | Below Cal    | #          | 56       |
| 20) Methylene Chloride        | 4.716  | 84    | 9383     | Below Cal    | #          | 88       |
| 29) Tetrahydrofuran           | 7.350  | 42    | 931      | 1.719 ug/l   | #          | 54       |
| 31) Cyclohexane               | 7.795  | 56    | 6252     | Below Cal    | #          | 32       |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 18085    | 4.783 ug/l   | #          | 53       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 22334    | 5.537 ug/l   | #          | 15       |
| 68) m/p-Xylenes               | 11.703 | 106   | 8486     | 1.642 ug/l   |            | 88       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 89957    | 53.666 ug/l  | #          | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 89957    | 109.712 ug/l | #          | 9        |
| -----                         |        |       |          |              |            |          |

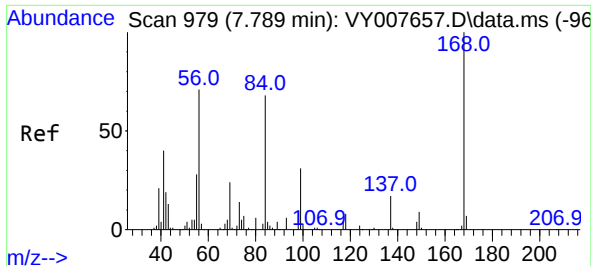
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031122\  
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Quant Title : SW846 8260  
QLast Update : Tue Mar 01 09:08:03 2022  
Response via : Initial Calibration

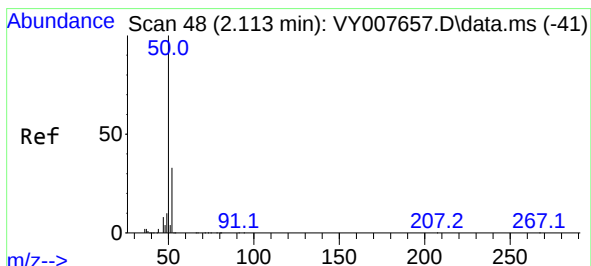
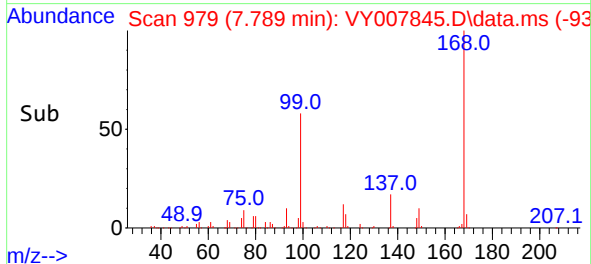
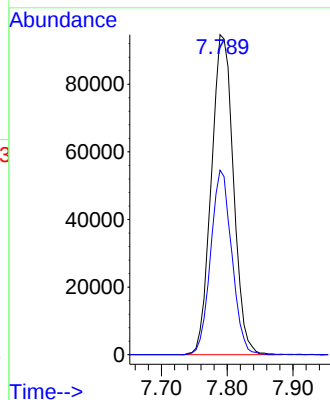
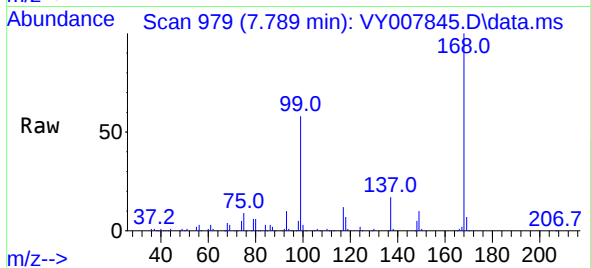




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY007845.D  
Acq: 11 Mar 2022 11:32

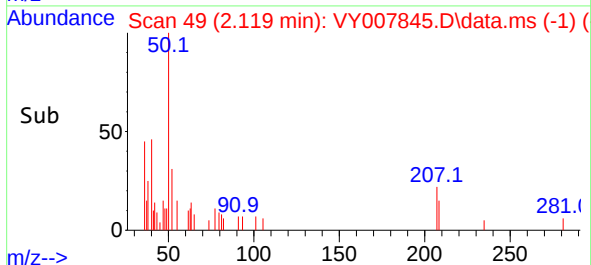
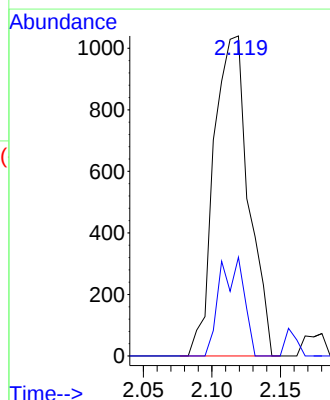
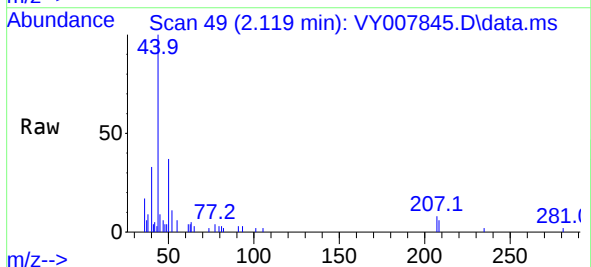
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SR-EX2A-BASE-01

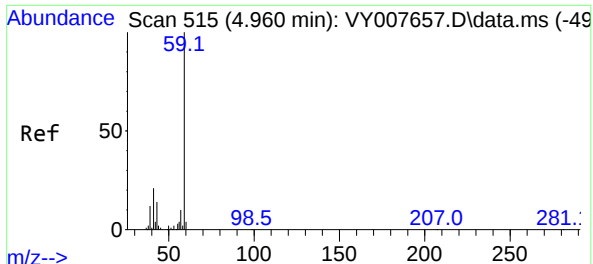
Tgt Ion:168 Resp: 221560  
Ion Ratio Lower Upper  
168 100  
99 57.6 46.9 70.3



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.119 min Scan# 49  
Delta R.T. 0.006 min  
Lab File: VY007845.D  
Acq: 11 Mar 2022 11:32

Tgt Ion: 50 Resp: 1831  
Ion Ratio Lower Upper  
50 100  
52 30.9 24.6 37.0

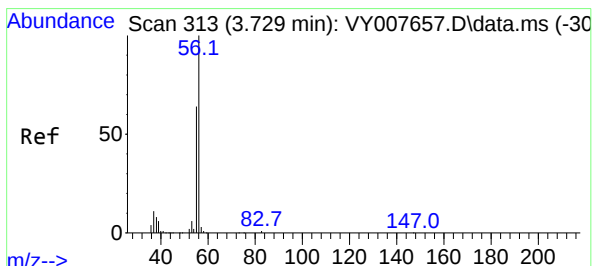
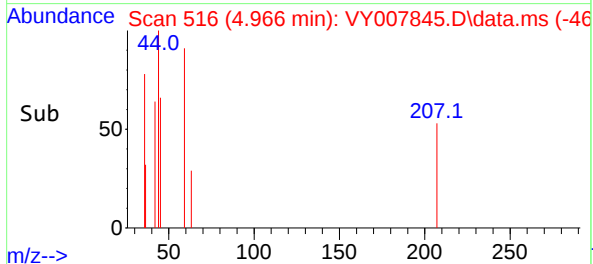
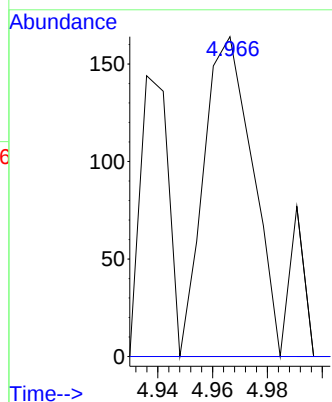
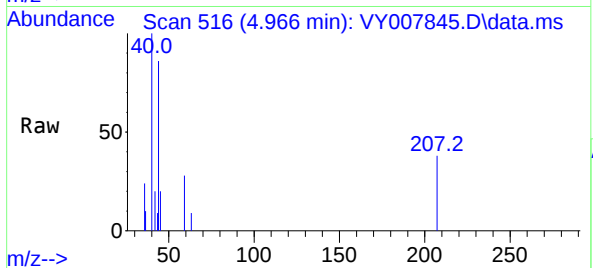




#11  
Tert butyl alcohol  
Concen: 1.011 ug/l  
RT: 4.966 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY007845.D  
Acq: 11 Mar 2022 11:32

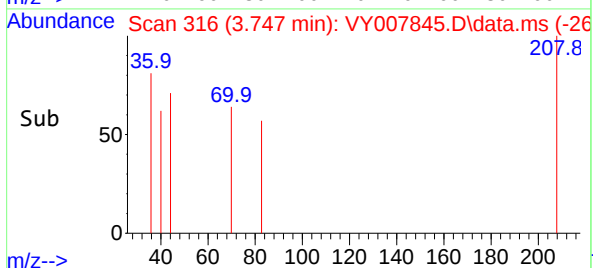
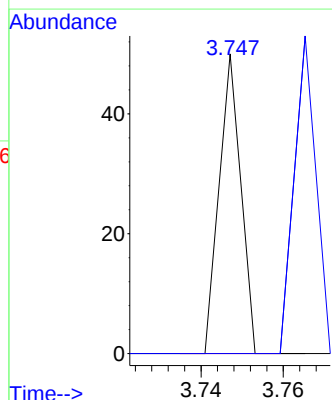
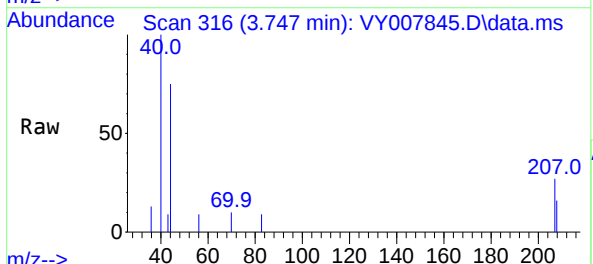
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SR-EX2A-BASE-01

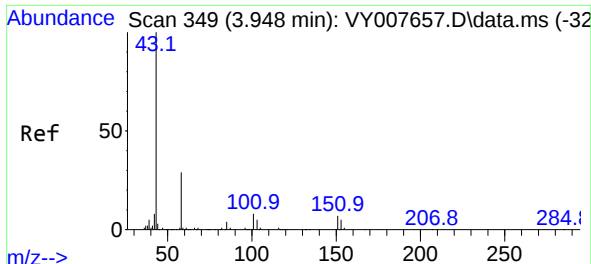
Tgt Ion: 59 Resp: 203  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#



#13  
Acrolein  
Concen: Below Cal  
RT: 3.747 min Scan# 316  
Delta R.T. 0.018 min  
Lab File: VY007845.D  
Acq: 11 Mar 2022 11:32

Tgt Ion: 56 Resp: 18  
Ion Ratio Lower Upper  
56 100  
55 105.6 57.6 86.4#

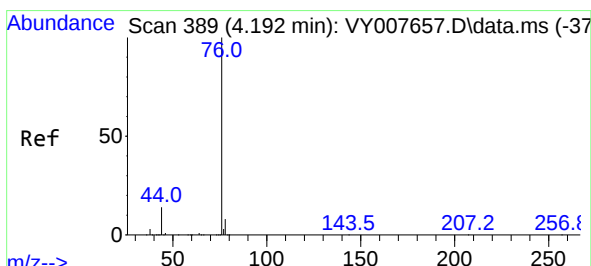
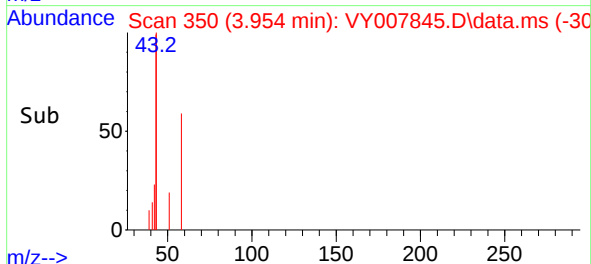
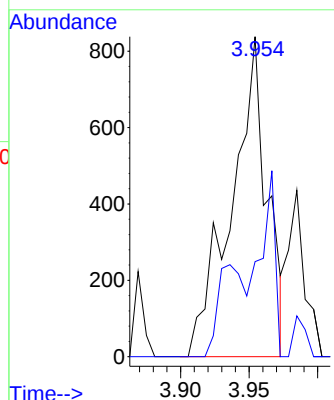
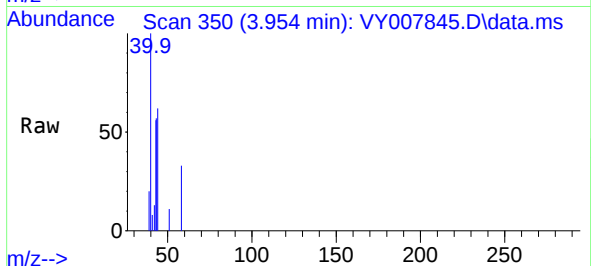




#16  
Acetone  
Concen: 3.213 ug/l  
RT: 3.954 min Scan# 311  
Delta R.T. 0.006 min  
Lab File: VY007845.D  
Acq: 11 Mar 2022 11:32

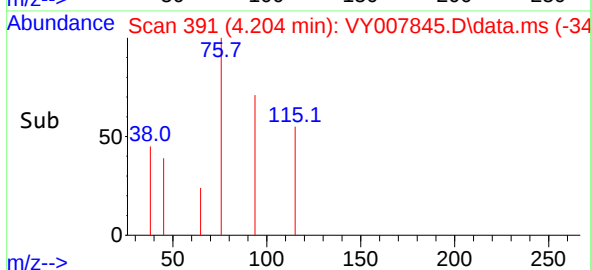
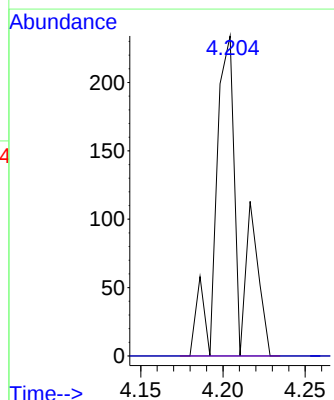
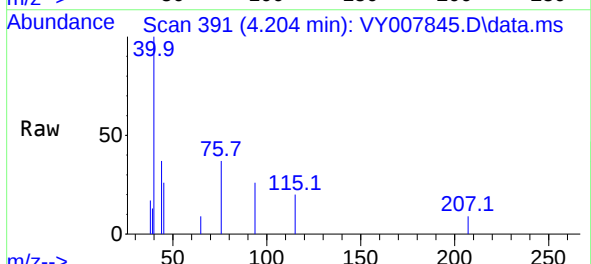
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SR-EX2A-BASE-01

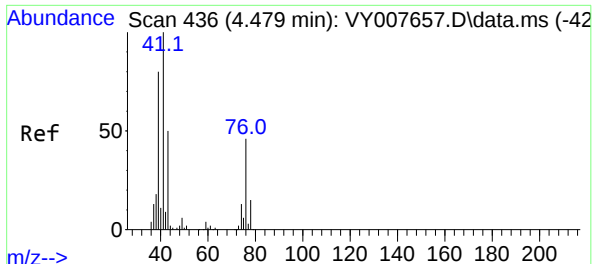
Tgt Ion: 43 Resp: 1516  
Ion Ratio Lower Upper  
43 100  
58 29.7 22.0 33.0



#17  
Carbon Disulfide  
Concen: Below Cal  
RT: 4.204 min Scan# 391  
Delta R.T. 0.012 min  
Lab File: VY007845.D  
Acq: 11 Mar 2022 11:32

Tgt Ion: 76 Resp: 240  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.4 11.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.479 min Scan# 41

Delta R.T. -0.000 min

Lab File: VY007845.D

Acq: 11 Mar 2022 11:32

Instrument :

MSVOA\_Y

ClientSampleId :

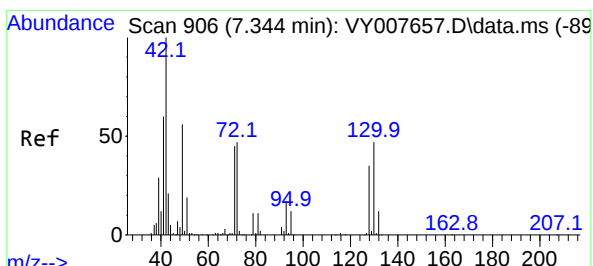
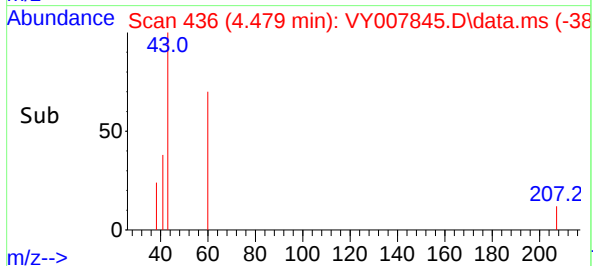
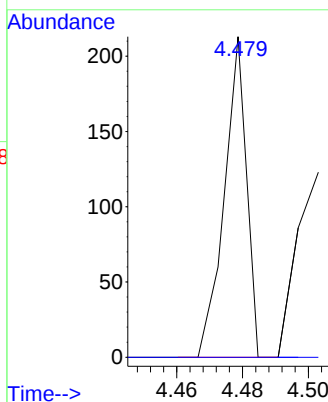
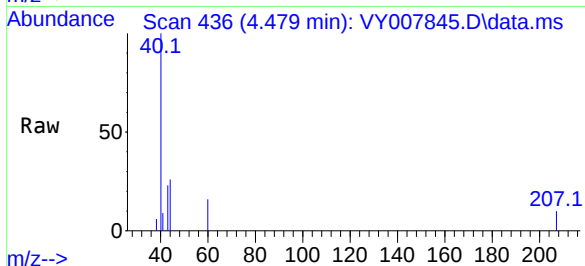
SR-EX2A-BASE-01

Tgt Ion: 43 Resp: 100

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#29

Tetrahydrofuran

Concen: 1.719 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY007845.D

Acq: 11 Mar 2022 11:32

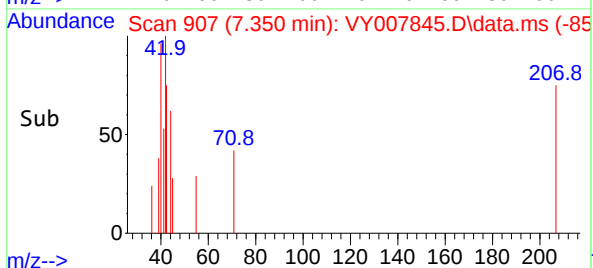
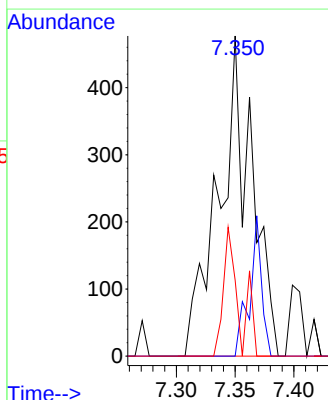
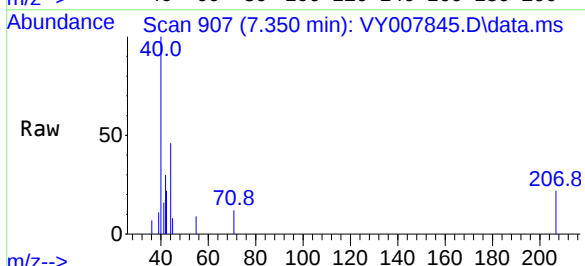
Tgt Ion: 42 Resp: 931

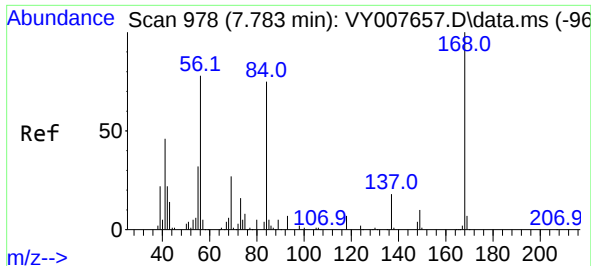
Ion Ratio Lower Upper

42 100

72 0.0 30.3 45.5#

71 19.1 29.0 43.4#

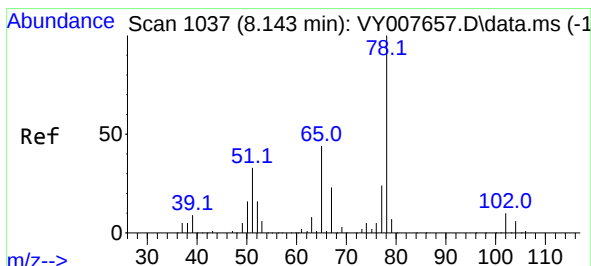
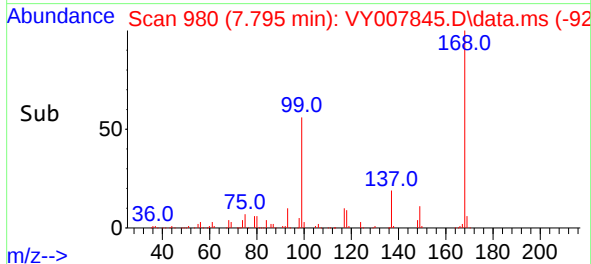
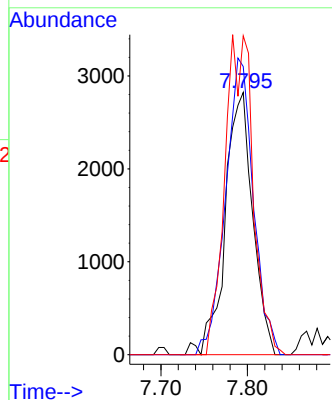
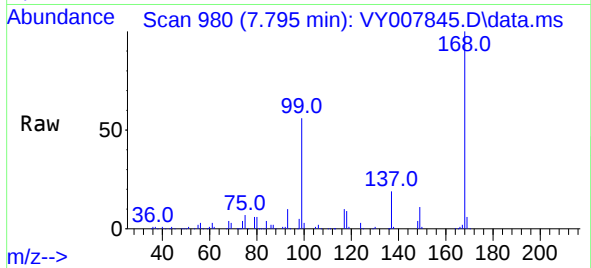




#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.795 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY007845.D  
Acq: 11 Mar 2022 11:32

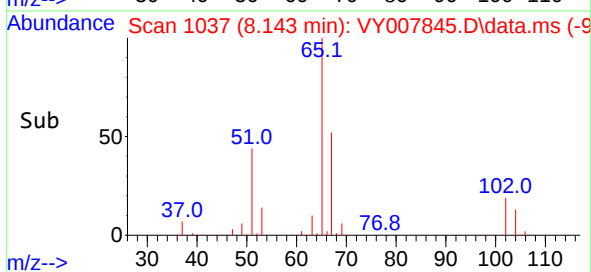
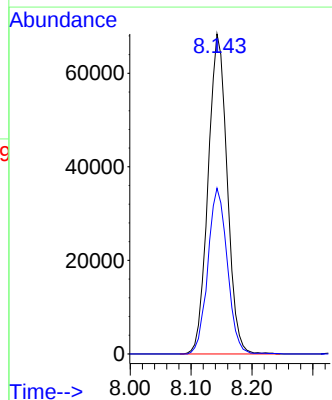
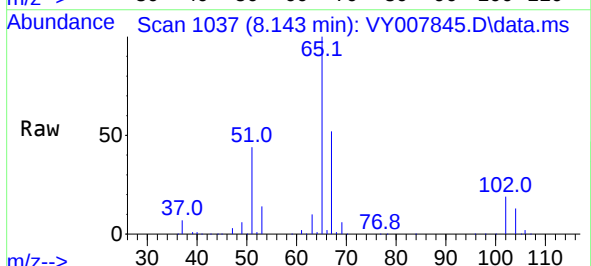
Instrument :  
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SR-EX2A-BASE-01

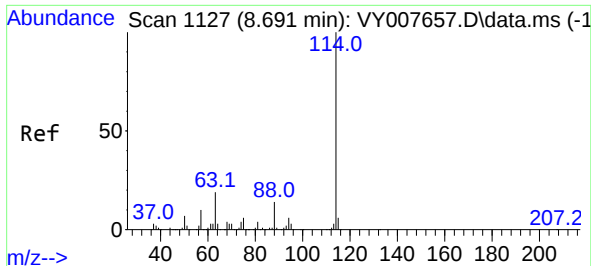
Tgt Ion: 56 Resp: 6252  
Ion Ratio Lower Upper  
56 100  
69 109.9 26.7 40.1#  
84 121.6 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 64.118 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY007845.D  
Acq: 11 Mar 2022 11:32

Tgt Ion: 65 Resp: 148723  
Ion Ratio Lower Upper  
65 100  
67 52.5 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: VY007845.D

Acq: 11 Mar 2022 11:32

Instrument :

MSVOA\_Y

ClientSampleId :

SR-EX2A-BASE-01

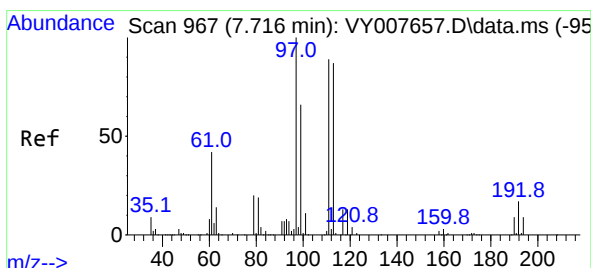
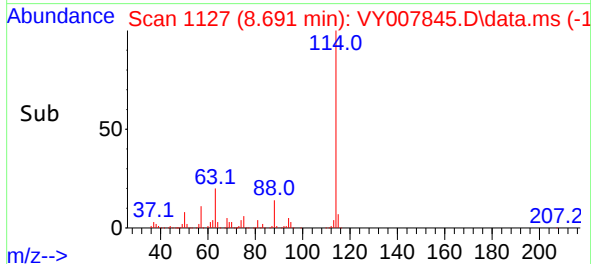
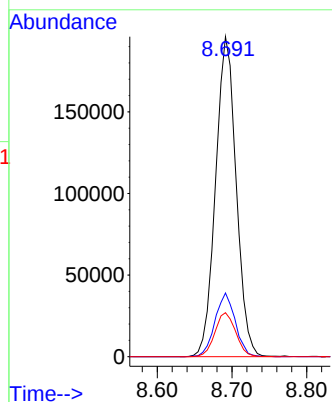
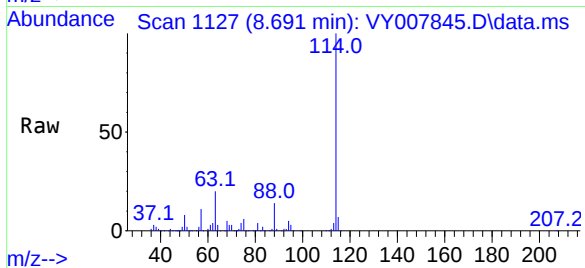
Tgt Ion:114 Resp: 375971

Ion Ratio Lower Upper

114 100

63 19.9 0.0 43.2

88 13.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 53.293 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY007845.D

Acq: 11 Mar 2022 11:32

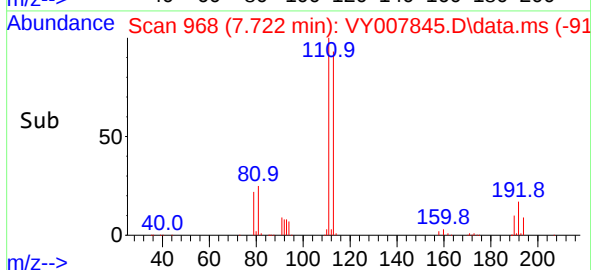
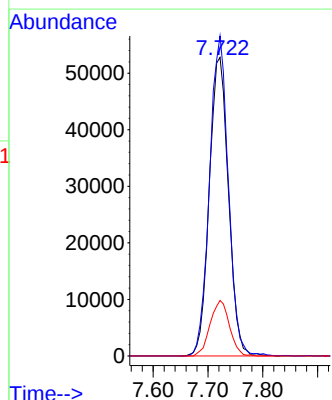
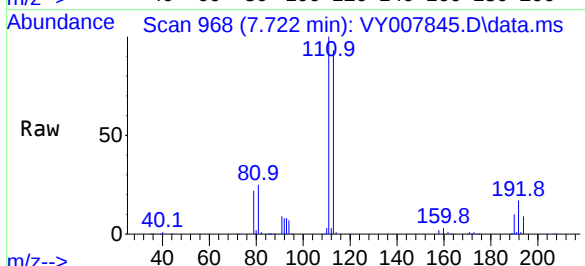
Tgt Ion:113 Resp: 128100

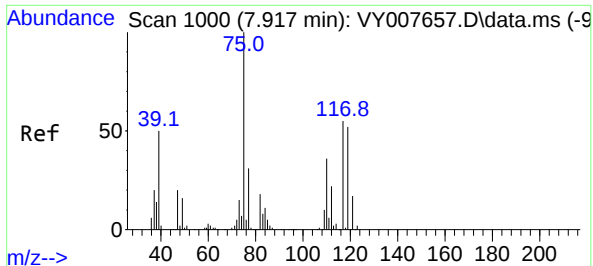
Ion Ratio Lower Upper

113 100

111 105.0 82.6 124.0

192 18.7 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.783 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY007845.D

Acq: 11 Mar 2022 11:32

Instrument :

MSVOA\_Y

ClientSampleId :

SR-EX2A-BASE-01

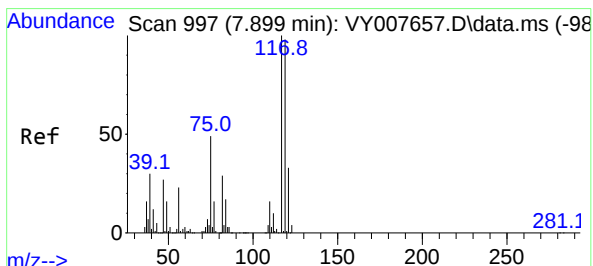
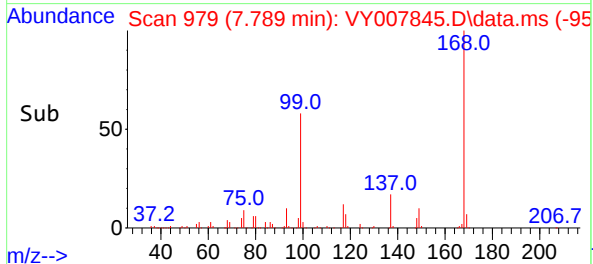
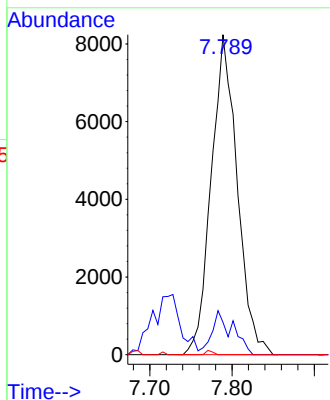
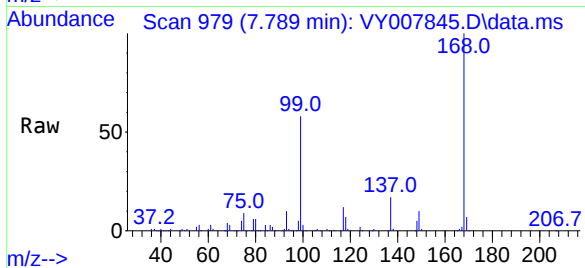
Tgt Ion: 75 Resp: 18085

Ion Ratio Lower Upper

75 100

110 11.0 17.1 51.2#

77 0.3 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.537 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY007845.D

Acq: 11 Mar 2022 11:32

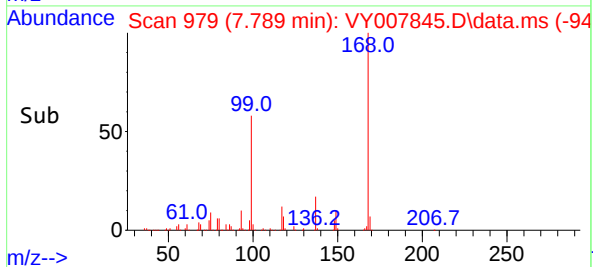
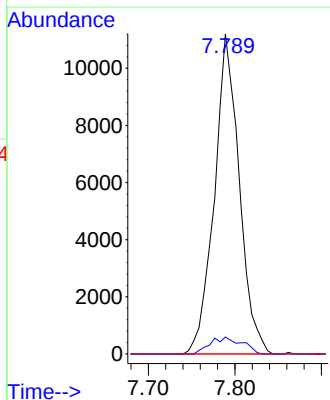
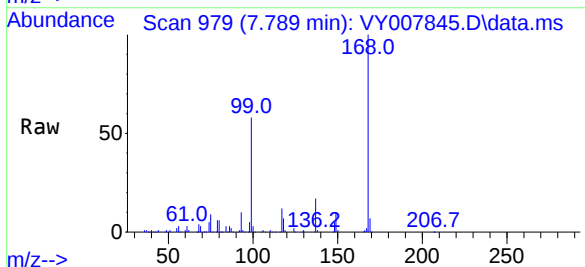
Tgt Ion: 117 Resp: 22334

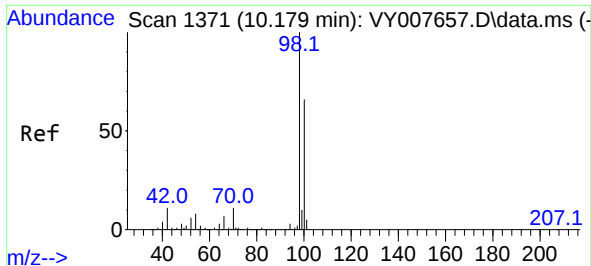
Ion Ratio Lower Upper

117 100

119 5.3 77.9 116.9#

121 0.0 24.8 37.2#

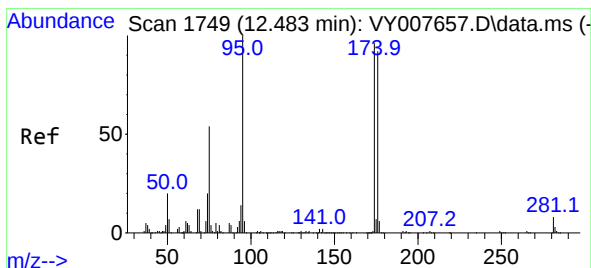
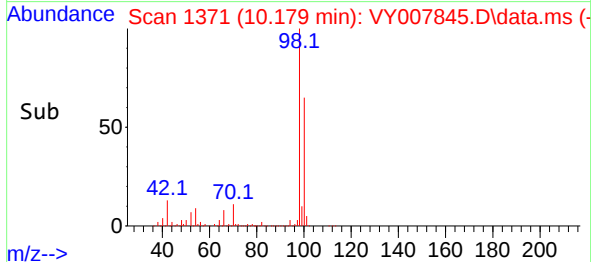
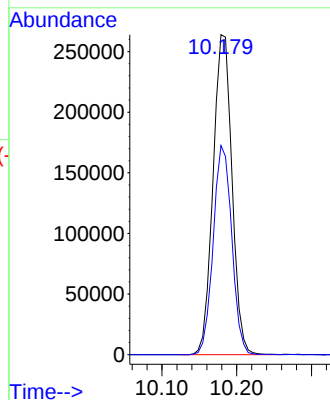
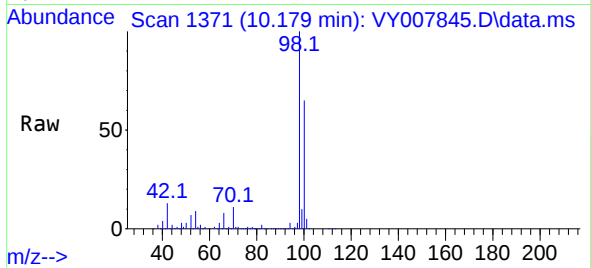




#50  
Toluene-d8  
Concen: 52.523 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY007845.D  
Acq: 11 Mar 2022 11:32

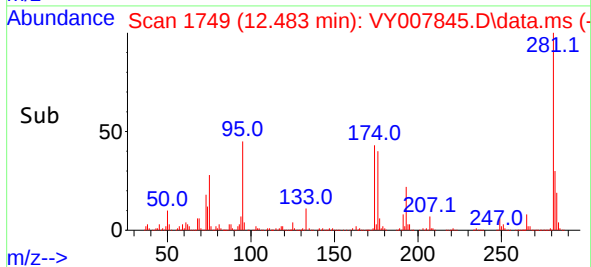
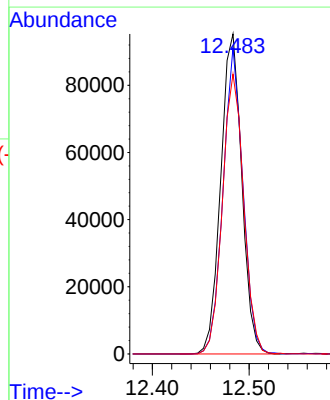
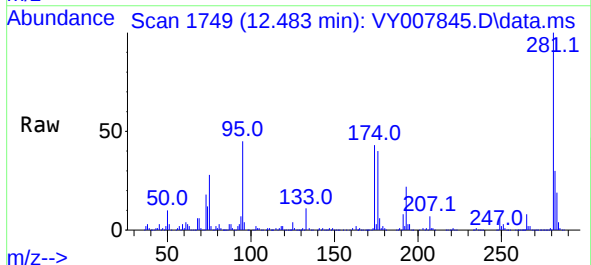
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SR-EX2A-BASE-01

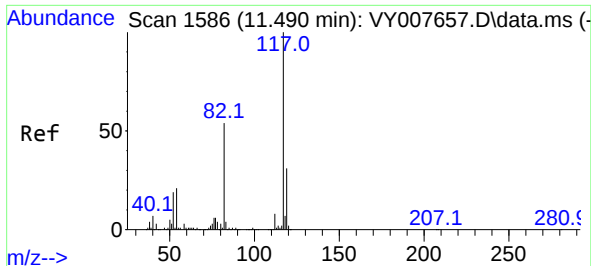
Tgt Ion: 98 Resp: 464734  
Ion Ratio Lower Upper  
98 100  
100 64.0 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 50.405 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY007845.D  
Acq: 11 Mar 2022 11:32

Tgt Ion: 95 Resp: 143762  
Ion Ratio Lower Upper  
95 100  
174 90.5 0.0 177.0  
176 88.3 0.0 175.8

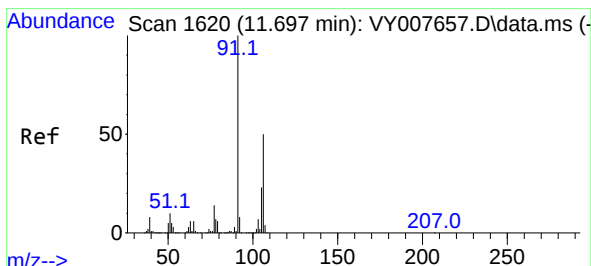
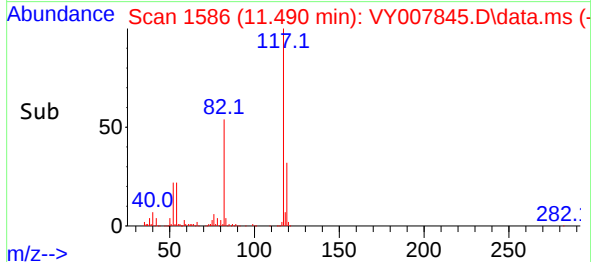
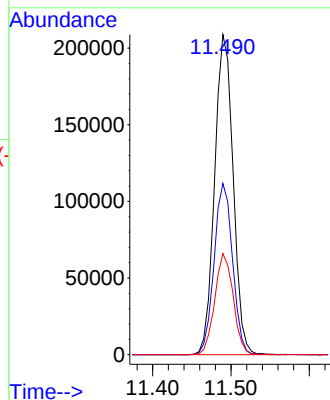
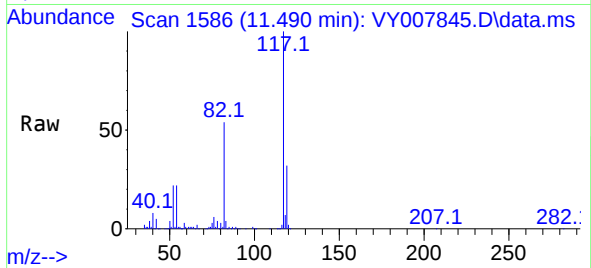




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VY007845.D  
Acq: 11 Mar 2022 11:32

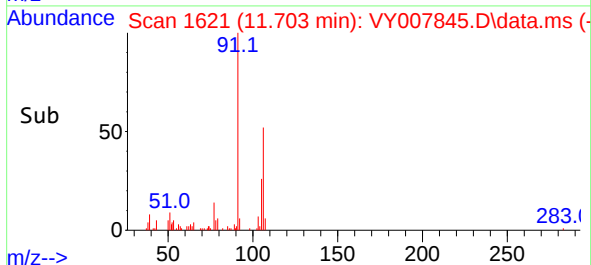
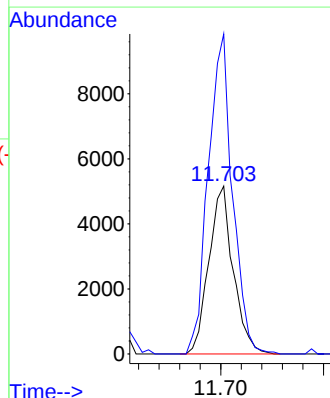
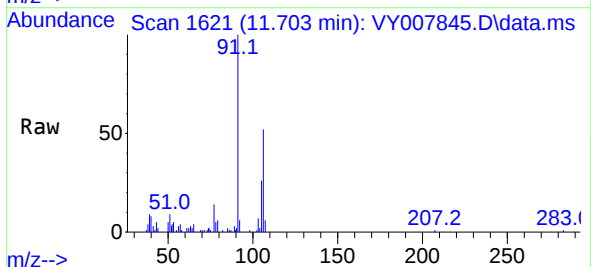
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SR-EX2A-BASE-01

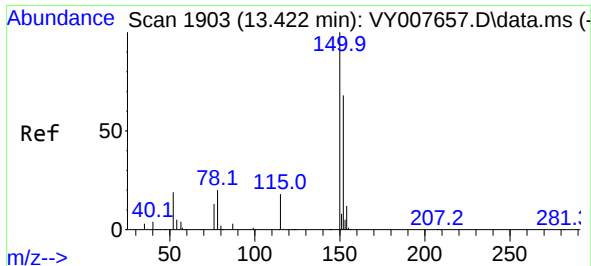
Tgt Ion:117 Resp: 342814  
Ion Ratio Lower Upper  
117 100  
82 53.5 43.0 64.4  
119 31.6 25.4 38.0



#68  
m/p-Xylenes  
Concen: 1.642 ug/l  
RT: 11.703 min Scan# 1621  
Delta R.T. 0.006 min  
Lab File: VY007845.D  
Acq: 11 Mar 2022 11:32

Tgt Ion:106 Resp: 8486  
Ion Ratio Lower Upper  
106 100  
91 190.0 166.6 249.8

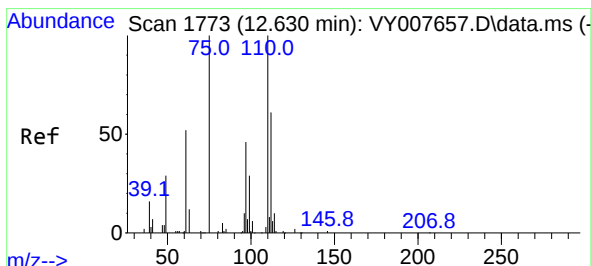
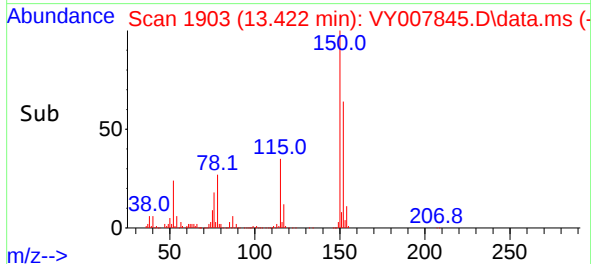
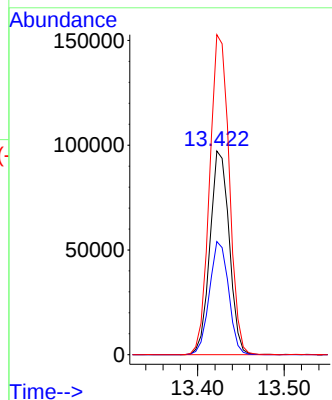
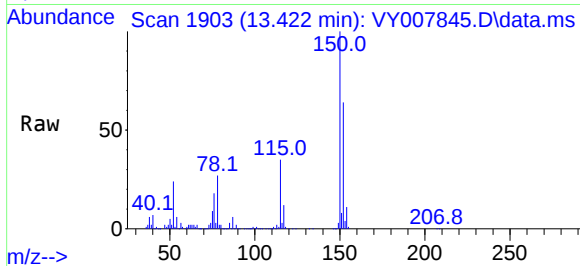




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1903  
 Delta R.T. 0.000 min  
 Lab File: VY007845.D  
 Acq: 11 Mar 2022 11:32

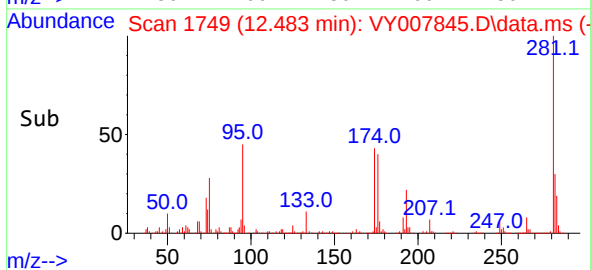
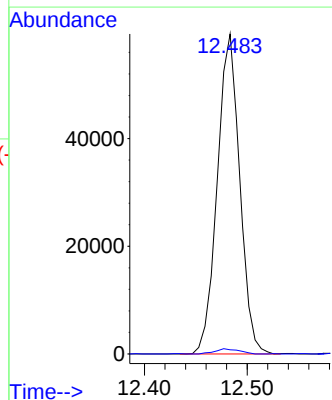
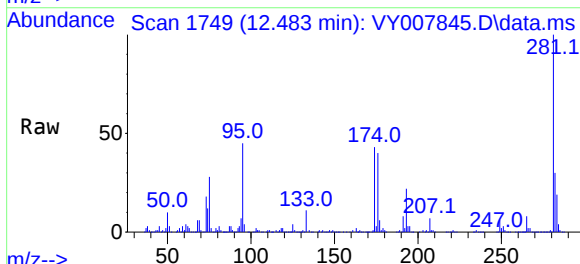
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SR-EX2A-BASE-01

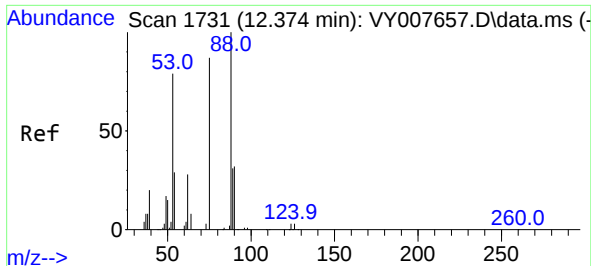
Tgt Ion:152 Resp: 150099  
 Ion Ratio Lower Upper  
 152 100  
 115 55.4 28.2 84.7  
 150 159.9 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 53.666 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.147 min  
 Lab File: VY007845.D  
 Acq: 11 Mar 2022 11:32

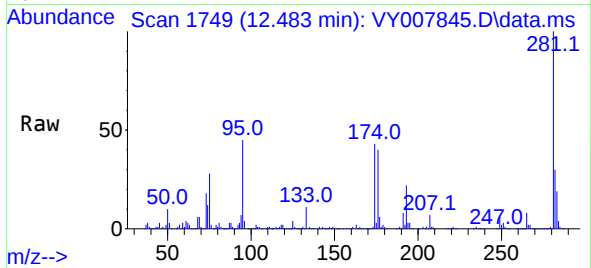
Tgt Ion: 75 Resp: 89957  
 Ion Ratio Lower Upper  
 75 100  
 77 1.7 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 109.712 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.109 min  
 Lab File: VY007845.D  
 Acq: 11 Mar 2022 11:32

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SR-EX2A-BASE-01



Tgt Ion: 75 Resp: 89957  
 Ion Ratio Lower Upper  
 75 100  
 53 0.2 85.3 127.9#  
 89 3.0 37.0 55.4#

