

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030322\  
 Data File : VY007733.D  
 Acq On : 04 Mar 2022 03:41  
 Operator : SY/MD  
 Sample : N1730-12  
 Misc : 5.70g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 23-24-SAMPLE-LOCATION-12

Quant Time: Mar 04 07:32:11 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

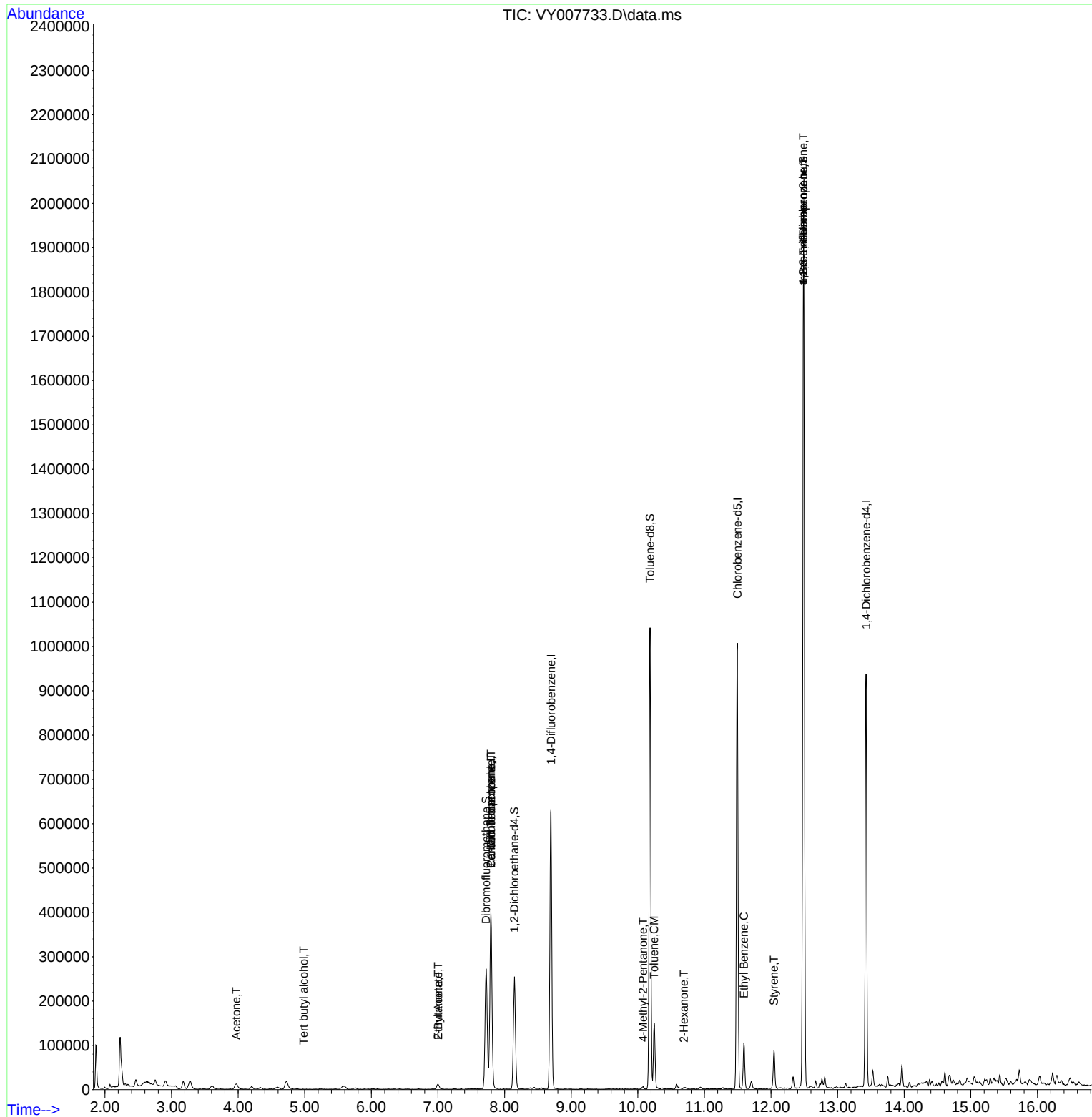
| Compound                      | R.T.   | QIon  | Response | Conc         | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|--------------|------------|----------|
| -----                         |        |       |          |              |            |          |
| Internal Standards            |        |       |          |              |            |          |
| 1) Pentafluorobenzene         | 7.795  | 168   | 316383   | 50.000       | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 558739   | 50.000       | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.495 | 117   | 553053   | 50.000       | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 241505   | 50.000       | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |              |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.149  | 65    | 182030   | 54.957       | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery     | = 109.920% |          |
| 35) Dibromofluoromethane      | 7.722  | 113   | 186031   | 52.078       | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery     | = 104.160% |          |
| 50) Toluene-d8                | 10.185 | 98    | 689038   | 52.401       | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery     | = 104.800% |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 231019   | 54.503       | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery     | = 109.000% |          |
| Target Compounds              |        |       |          |              |            |          |
|                               |        |       |          |              | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 1.906  | 85    | 196      | Below Cal    |            | 98       |
| 3) Chloromethane              | 2.113  | 50    | 1078     | Below Cal    | #          | 77       |
| 11) Tert butyl alcohol        | 4.984  | 59    | 400      | 1.395 ug/l   | #          | 77       |
| 13) Acrolein                  | 3.729  | 56    | 21       | Below Cal    | #          | 14       |
| 16) Acetone                   | 3.972  | 43    | 20751    | 30.797 ug/l  |            | 97       |
| 17) Carbon Disulfide          | 4.204  | 76    | 11358    | Below Cal    |            | 100      |
| 18) Methyl Acetate            | 4.497  | 43    | 1342     | Below Cal    | #          | 84       |
| 20) Methylene Chloride        | 4.722  | 84    | 13559    | Below Cal    |            | 92       |
| 25) 2-Butanone                | 7.002  | 43    | 18219    | 16.118 ug/l  |            | 100      |
| 31) Cyclohexane               | 7.795  | 56    | 7182     | Below Cal    | #          | 1        |
| 36) 1,1-Dichloropropene       | 7.795  | 75    | 22865    | 4.069 ug/l   | #          | 52       |
| 37) Ethyl Acetate             | 7.002  | 43    | 18219    | 5.870 ug/l   | #          | 72       |
| 38) Carbon Tetrachloride      | 7.795  | 117   | 30022    | 5.008 ug/l   | #          | 15       |
| 51) 4-Methyl-2-Pentanone      | 10.081 | 43    | 3436     | 1.119 ug/l   | #          | 85       |
| 52) Toluene                   | 10.246 | 92    | 61179    | 6.050 ug/l   |            | 98       |
| 59) 2-Hexanone                | 10.691 | 43    | 2676     | 1.294 ug/l   |            | 72       |
| 67) Ethyl Benzene             | 11.593 | 91    | 67264    | 3.096 ug/l   |            | 95       |
| 70) Styrene                   | 12.044 | 104   | 40889    | 3.091 ug/l   | #          | 87       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 140107   | 51.948 ug/l  | #          | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 140107   | 106.202 ug/l | #          | 8        |
| -----                         |        |       |          |              |            |          |

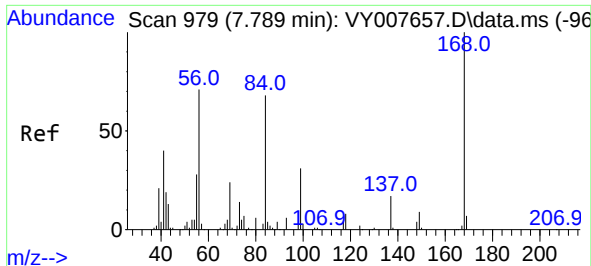
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030322\  
Data File : VY007733.D  
Acq On : 04 Mar 2022 03:41  
Operator : SY/MD  
Sample : N1730-12  
Misc : 5.70g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 47 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
23-24-SAMPLE-LOCATION-12

Quant Time: Mar 04 07:32:11 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

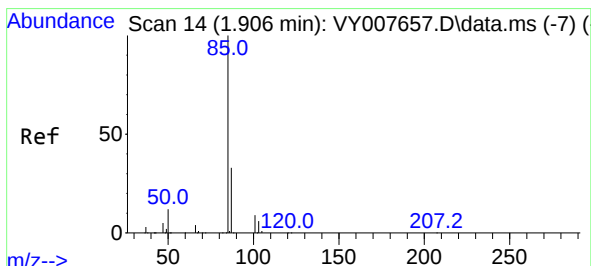
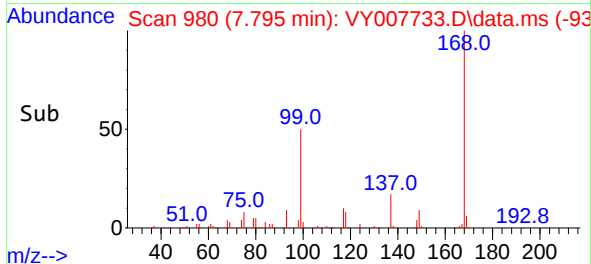
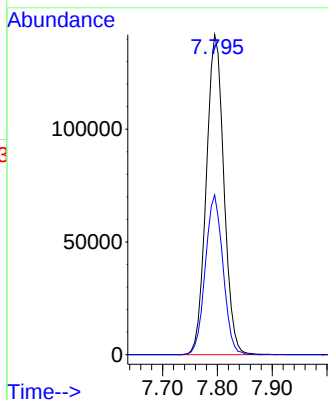
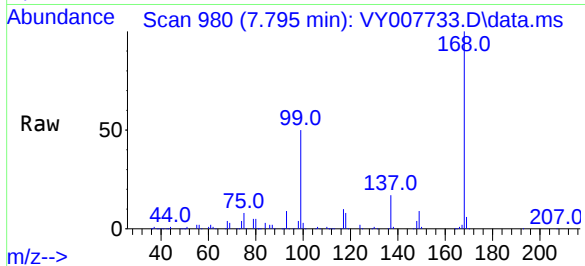




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY007733.D  
Acq: 04 Mar 2022 03:41

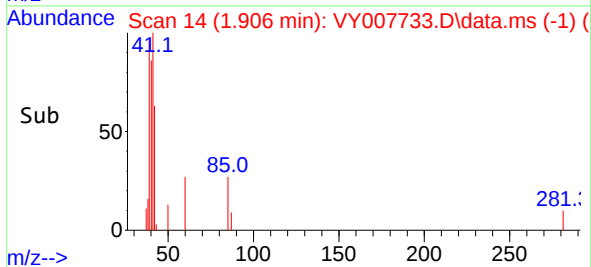
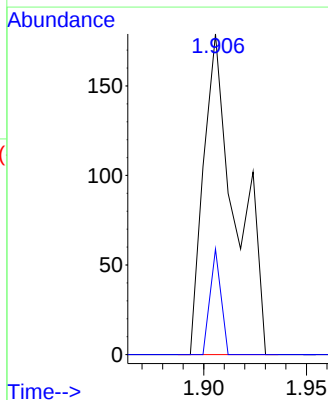
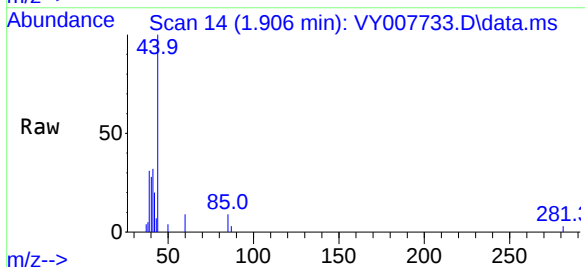
Instrument :  
MSVOA\_Y  
ClientSampleId :  
23-24-SAMPLE-LOCATION-12

Tgt Ion:168 Resp: 316383  
Ion Ratio Lower Upper  
168 100  
99 49.9 46.9 70.3

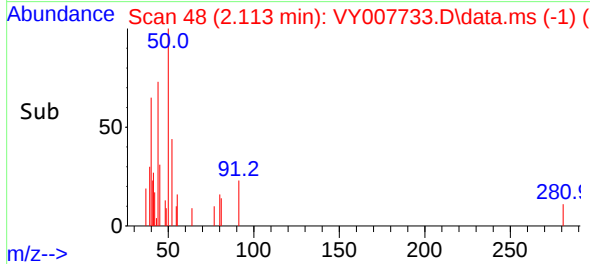
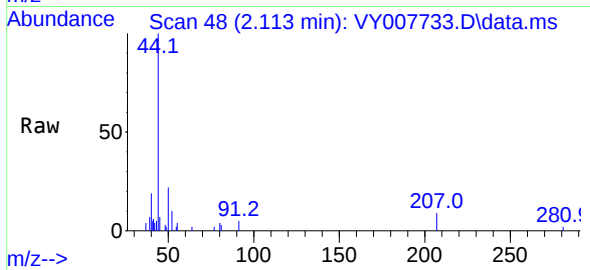
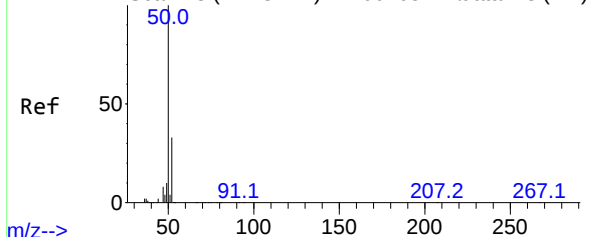


#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.906 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VY007733.D  
Acq: 04 Mar 2022 03:41

Tgt Ion: 85 Resp: 196  
Ion Ratio Lower Upper  
85 100  
87 33.0 16.1 48.2



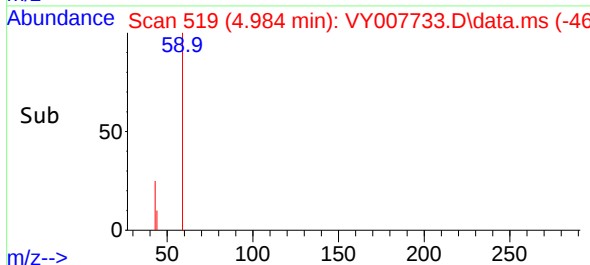
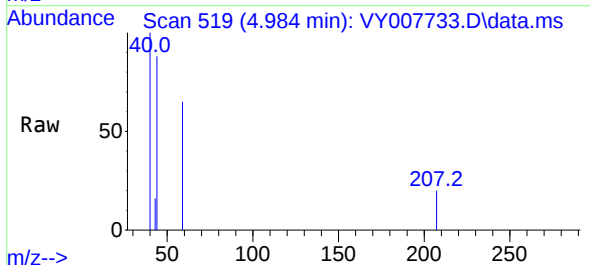
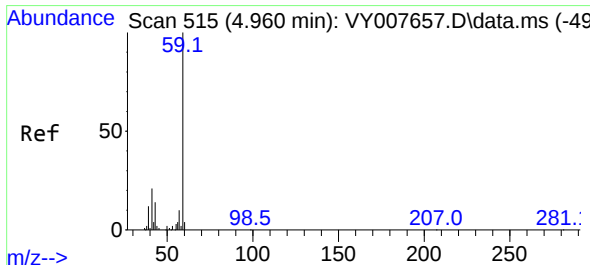
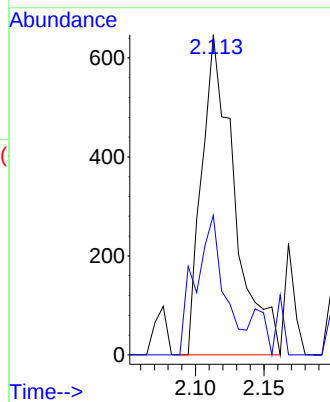
Abundance Scan 48 (2.113 min): VY007657.D\data.ms (-41)



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.113 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY007733.D  
Acq: 04 Mar 2022 03:41

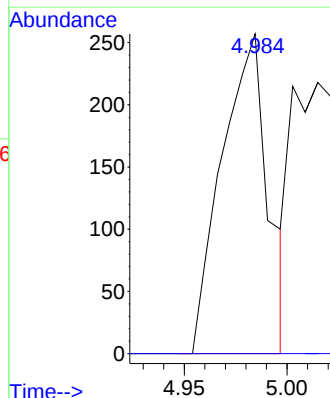
Instrument :  
MSVOA\_Y  
ClientSampleId :  
23-24-SAMPLE-LOCATION-12

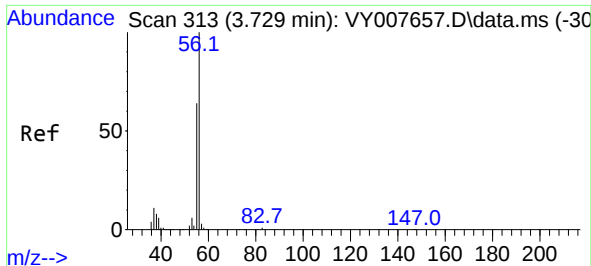
Tgt Ion: 50 Resp: 1078  
Ion Ratio Lower Upper  
50 100  
52 43.6 24.6 37.0#



#11  
Tert butyl alcohol  
Concen: 1.395 ug/l  
RT: 4.984 min Scan# 519  
Delta R.T. 0.024 min  
Lab File: VY007733.D  
Acq: 04 Mar 2022 03:41

Tgt Ion: 59 Resp: 400  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#

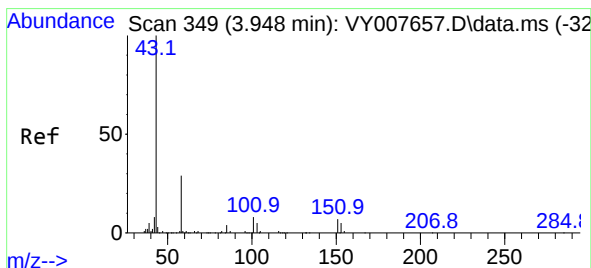
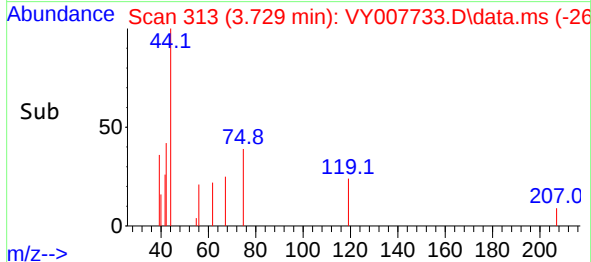
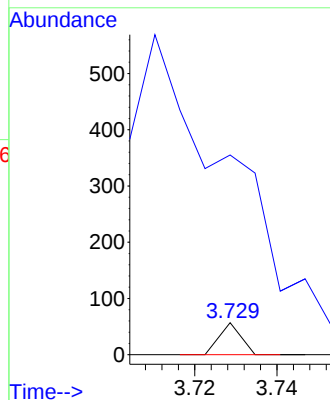
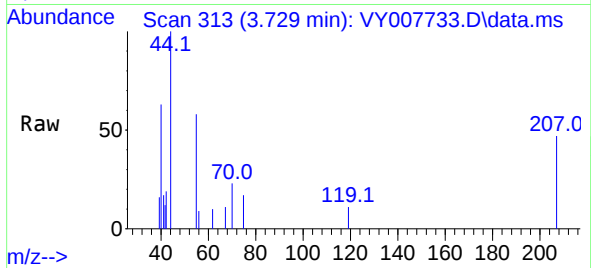




#13  
Acrolein  
Concen: Below Cal  
RT: 3.729 min Scan# 313  
Delta R.T. -0.000 min  
Lab File: VY007733.D  
Acq: 04 Mar 2022 03:41

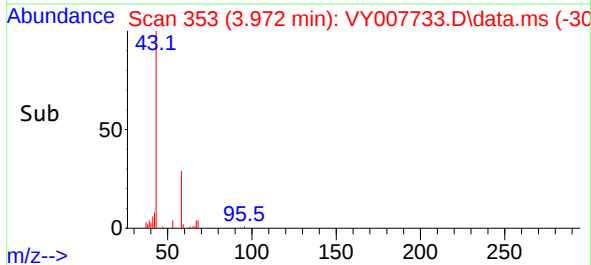
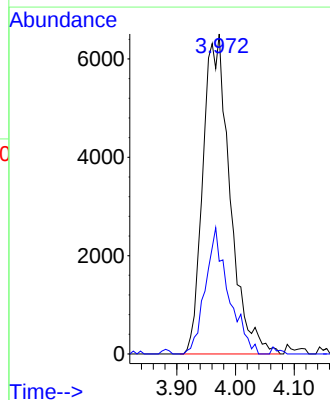
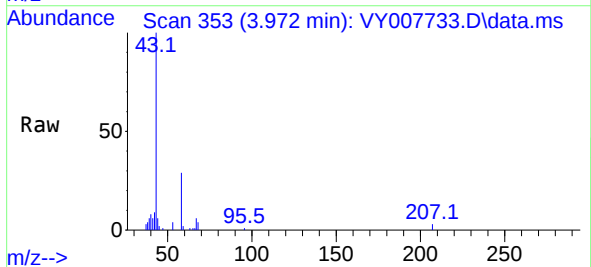
Instrument : MSVOA\_Y  
ClientSampleId : 23-24-SAMPLE-LOCATION-12

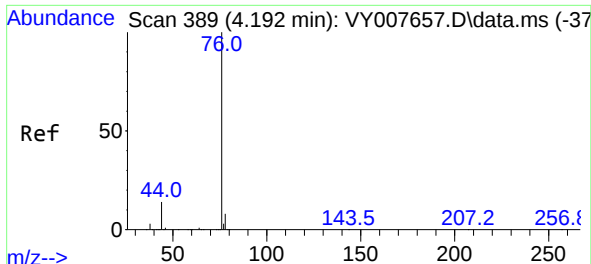
Tgt Ion: 56 Resp: 21  
Ion Ratio Lower Upper  
56 100  
55 0.0 57.6 86.4#



#16  
Acetone  
Concen: 30.797 ug/l  
RT: 3.972 min Scan# 353  
Delta R.T. 0.024 min  
Lab File: VY007733.D  
Acq: 04 Mar 2022 03:41

Tgt Ion: 43 Resp: 20751  
Ion Ratio Lower Upper  
43 100  
58 29.0 22.0 33.0

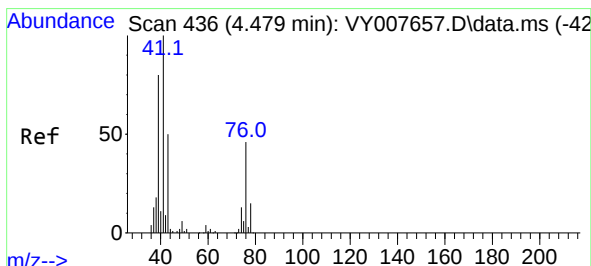
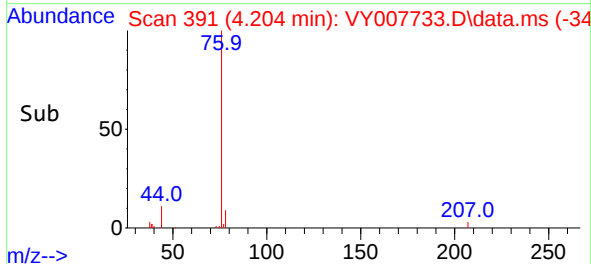
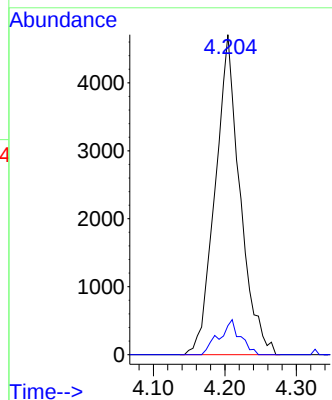
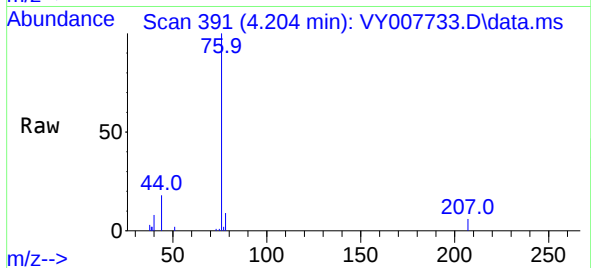




#17  
Carbon Disulfide  
Concen: Below Cal  
RT: 4.204 min Scan# 391  
Delta R.T. 0.012 min  
Lab File: VY007733.D  
Acq: 04 Mar 2022 03:41

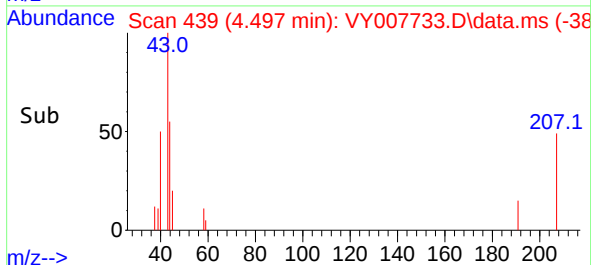
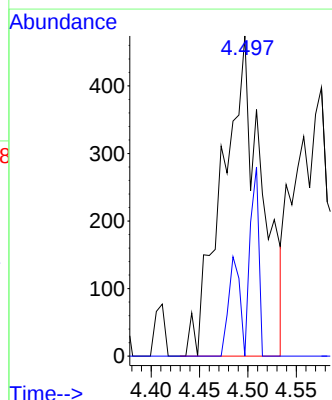
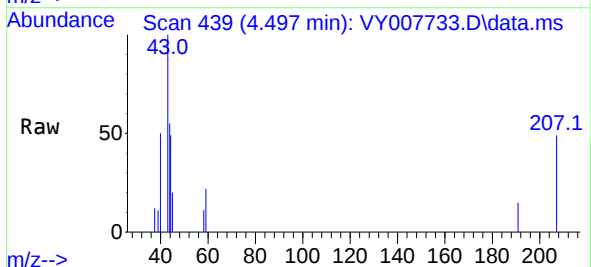
Instrument :  
MSVOA\_Y  
ClientSampleId :  
23-24-SAMPLE-LOCATION-12

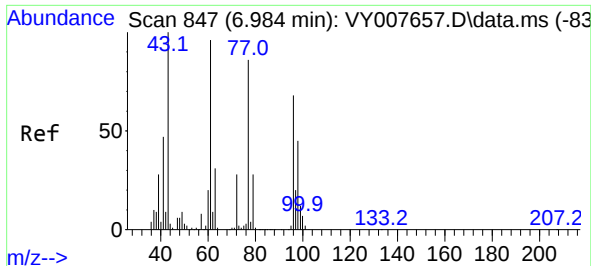
Tgt Ion: 76 Resp: 11358  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.4 11.0



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.497 min Scan# 439  
Delta R.T. 0.018 min  
Lab File: VY007733.D  
Acq: 04 Mar 2022 03:41

Tgt Ion: 43 Resp: 1342  
Ion Ratio Lower Upper  
43 100  
74 13.0 16.6 24.8#

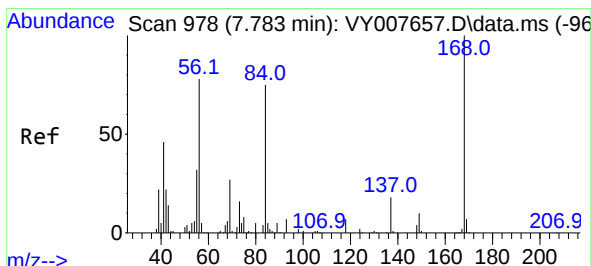
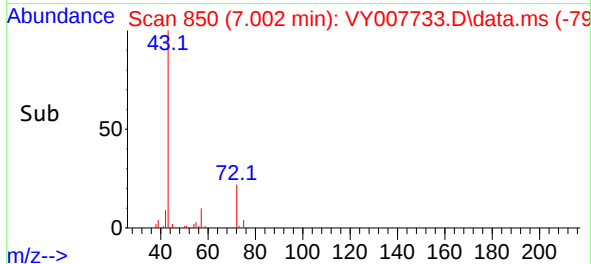
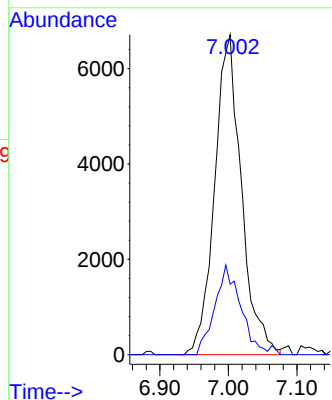
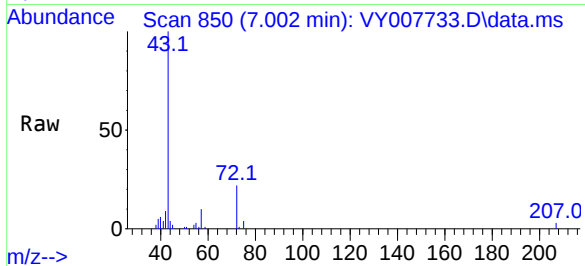




#25  
2-Butanone  
Concen: 16.118 ug/l  
RT: 7.002 min Scan# 81  
Delta R.T. 0.018 min  
Lab File: VY007733.D  
Acq: 04 Mar 2022 03:41

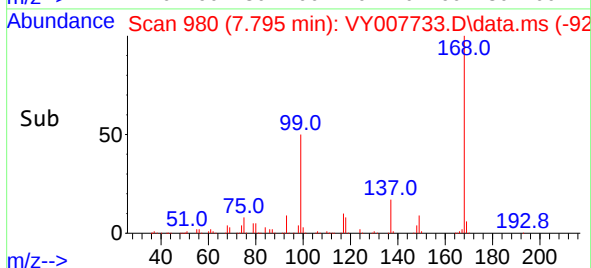
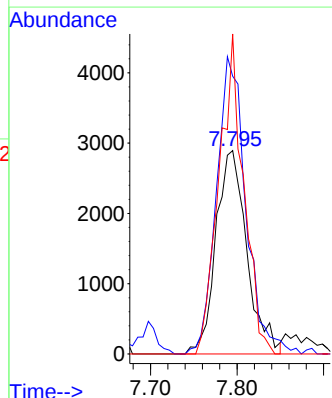
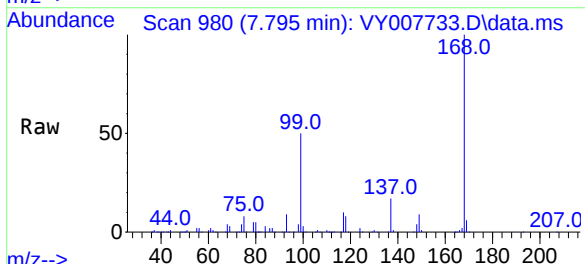
Instrument :  
MSVOA\_Y  
ClientSampleId :  
23-24-SAMPLE-LOCATION-12

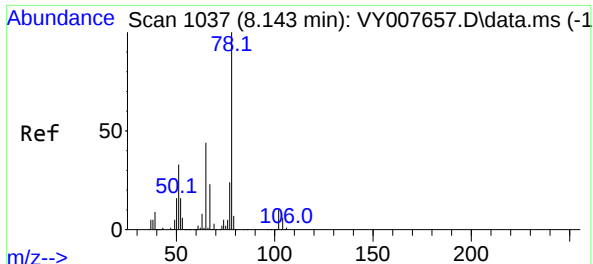
Tgt Ion: 43 Resp: 18219  
Ion Ratio Lower Upper  
43 100  
72 22.0 17.7 26.5



#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.795 min Scan# 980  
Delta R.T. 0.012 min  
Lab File: VY007733.D  
Acq: 04 Mar 2022 03:41

Tgt Ion: 56 Resp: 7182  
Ion Ratio Lower Upper  
56 100  
69 136.5 26.7 40.1#  
84 157.3 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 54.957 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY007733.D

Acq: 04 Mar 2022 03:41

Instrument :

MSVOA\_Y

ClientSampleId :

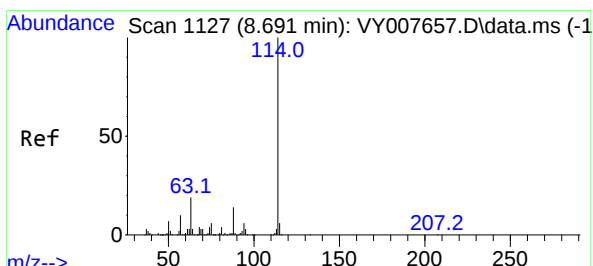
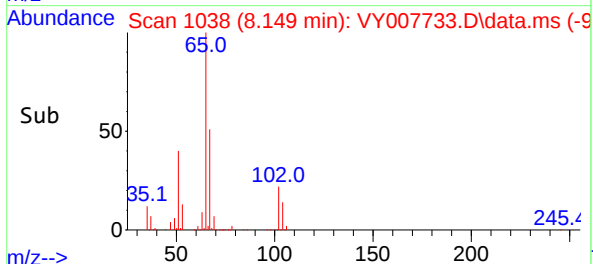
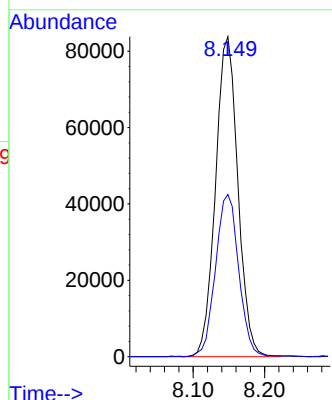
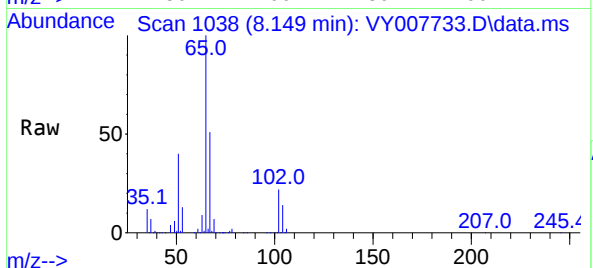
23-24-SAMPLE-LOCATION-12

Tgt Ion: 65 Resp: 182030

Ion Ratio Lower Upper

65 100

67 52.7 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY007733.D

Acq: 04 Mar 2022 03:41

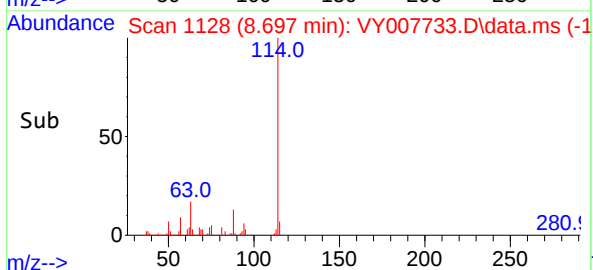
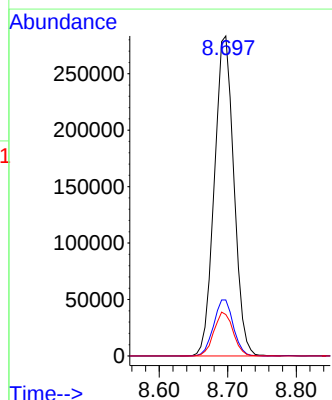
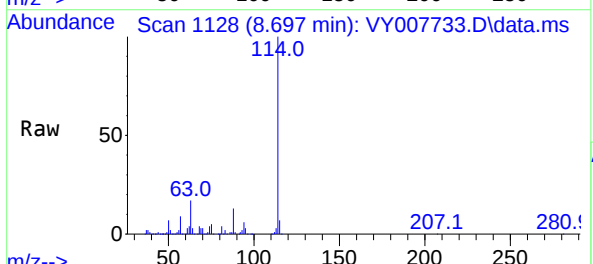
Tgt Ion:114 Resp: 558739

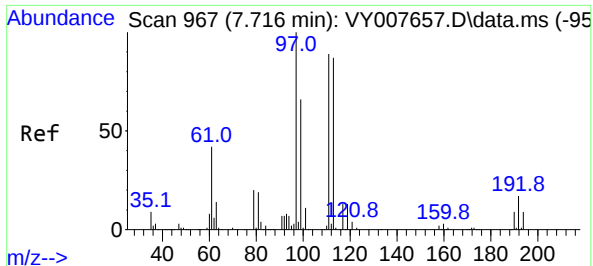
Ion Ratio Lower Upper

114 100

63 17.5 0.0 43.2

88 13.0 0.0 31.8

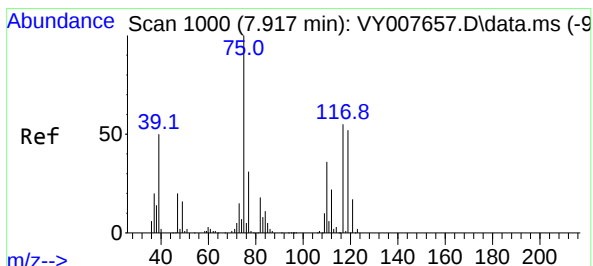
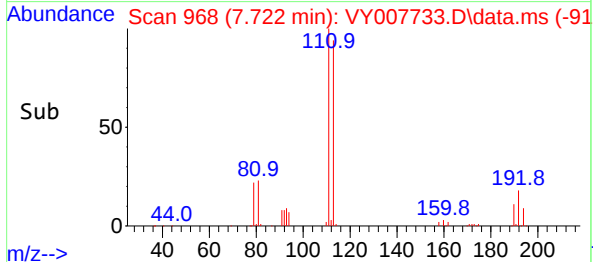
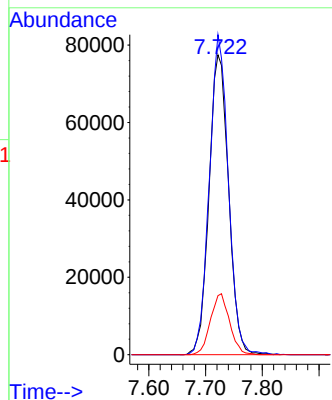
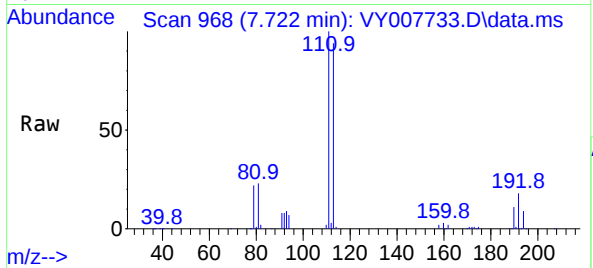




#35  
Dibromofluoromethane  
Concen: 52.078 ug/l  
RT: 7.722 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY007733.D  
Acq: 04 Mar 2022 03:41

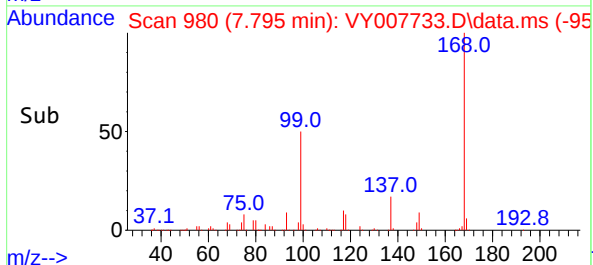
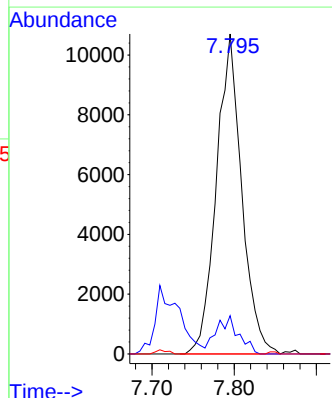
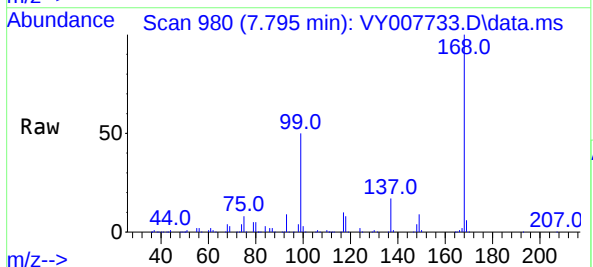
Instrument :  
MSVOA\_Y  
ClientSampleId :  
23-24-SAMPLE-LOCATION-12

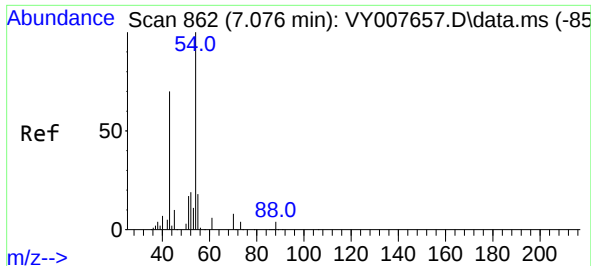
Tgt Ion:113 Resp: 186031  
Ion Ratio Lower Upper  
113 100  
111 103.6 82.6 124.0  
192 19.8 17.6 26.4



#36  
1,1-Dichloropropene  
Concen: 4.069 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.122 min  
Lab File: VY007733.D  
Acq: 04 Mar 2022 03:41

Tgt Ion: 75 Resp: 22865  
Ion Ratio Lower Upper  
75 100  
110 10.4 17.1 51.2#  
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 5.870 ug/l

RT: 7.002 min Scan# 81

Delta R.T. -0.074 min

Lab File: VY007733.D

Acq: 04 Mar 2022 03:41

Instrument :

MSVOA\_Y

ClientSampleId :

23-24-SAMPLE-LOCATION-12

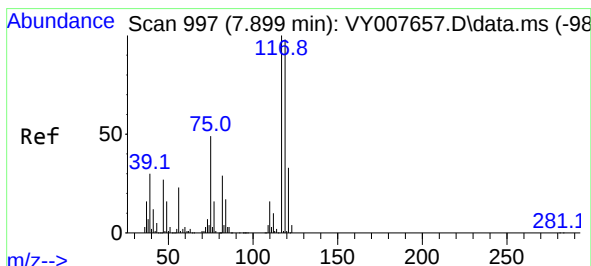
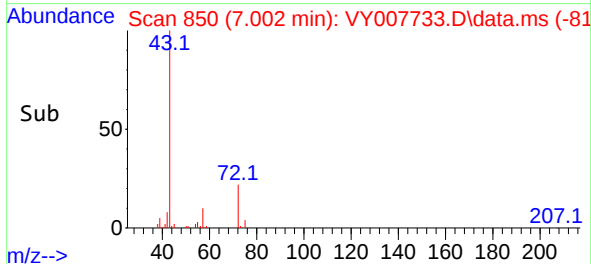
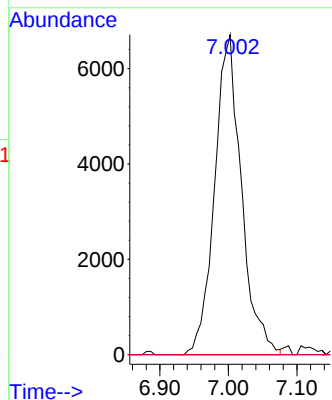
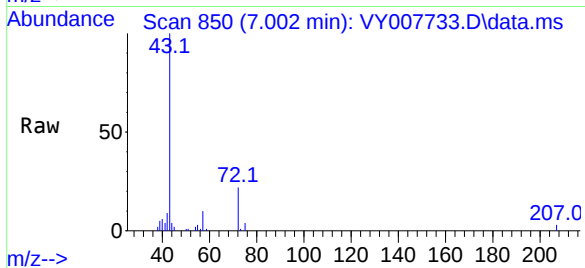
Tgt Ion: 43 Resp: 18219

Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.008 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.104 min

Lab File: VY007733.D

Acq: 04 Mar 2022 03:41

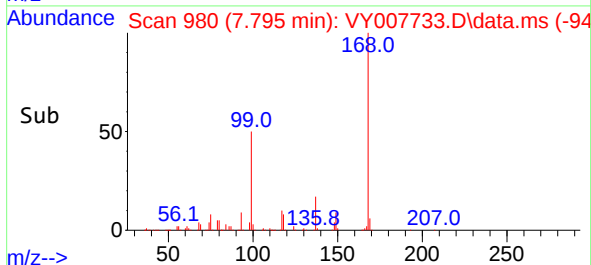
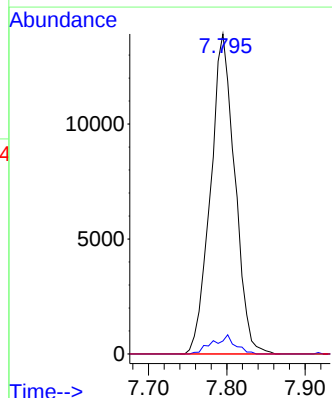
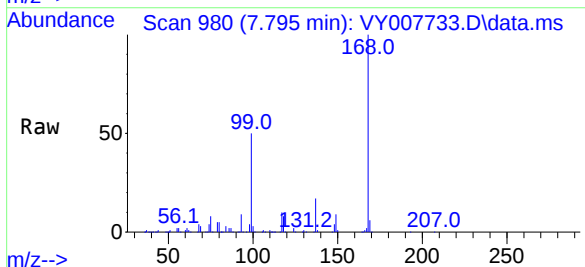
Tgt Ion: 117 Resp: 30022

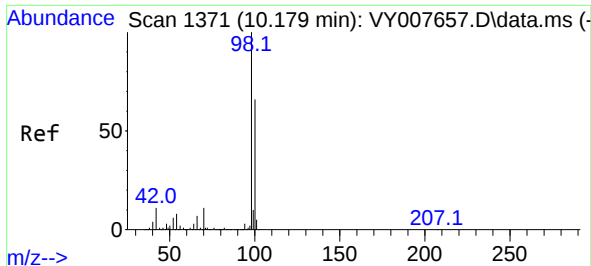
Ion Ratio Lower Upper

117 100

119 4.1 77.9 116.9#

121 0.0 24.8 37.2#

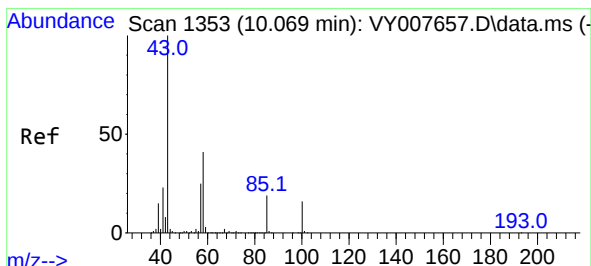
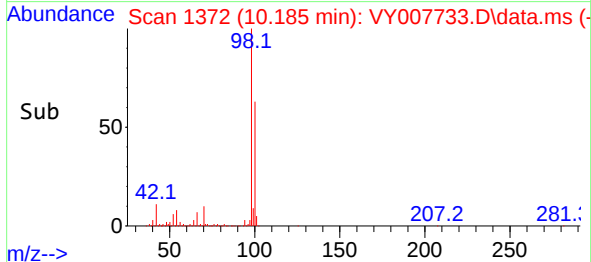
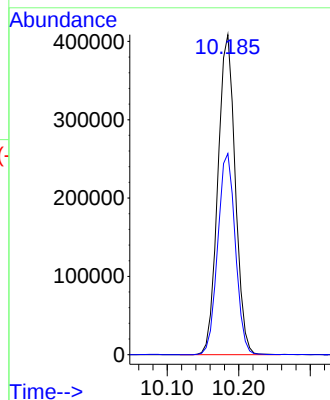
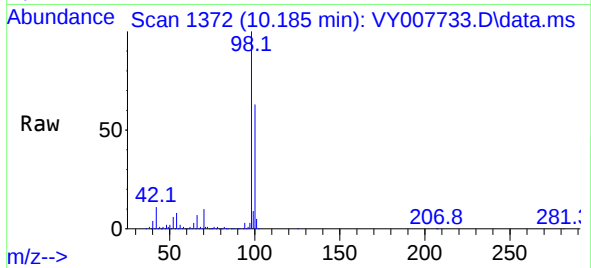




#50  
Toluene-d8  
Concen: 52.401 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.006 min  
Lab File: VY007733.D  
Acq: 04 Mar 2022 03:41

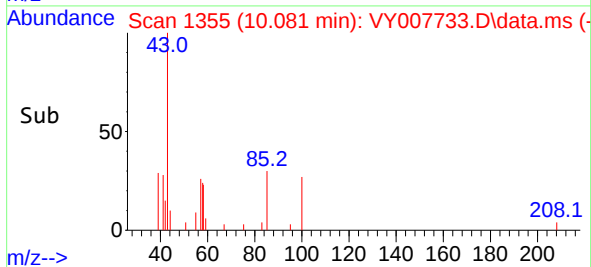
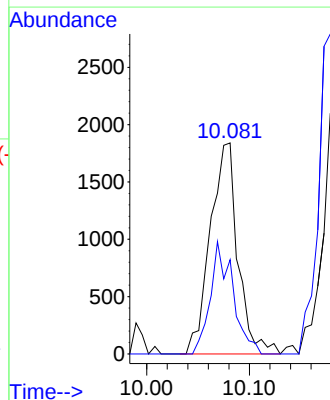
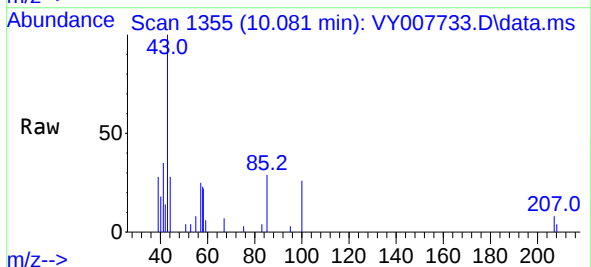
Instrument :  
MSVOA\_Y  
ClientSampleId :  
23-24-SAMPLE-LOCATION-12

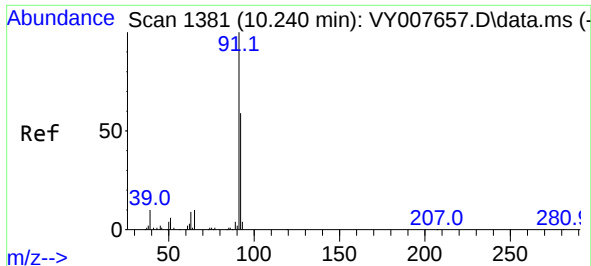
Tgt Ion: 98 Resp: 689038  
Ion Ratio Lower Upper  
98 100  
100 63.6 50.2 75.2



#51  
4-Methyl-2-Pentanone  
Concen: 1.119 ug/l  
RT: 10.081 min Scan# 1355  
Delta R.T. 0.012 min  
Lab File: VY007733.D  
Acq: 04 Mar 2022 03:41

Tgt Ion: 43 Resp: 3436  
Ion Ratio Lower Upper  
43 100  
58 43.6 28.1 42.1#

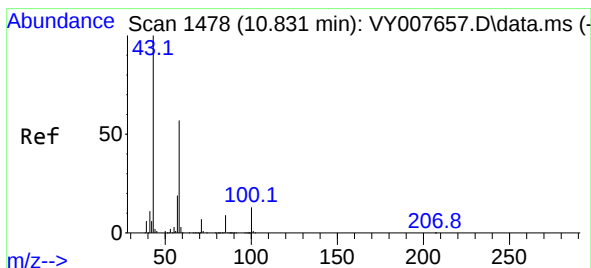
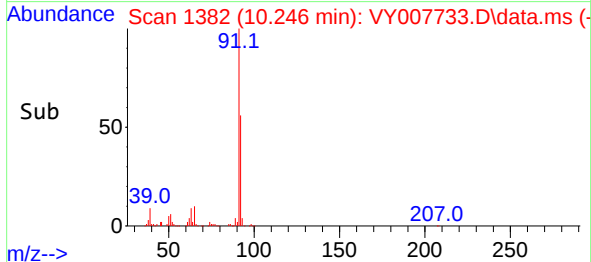
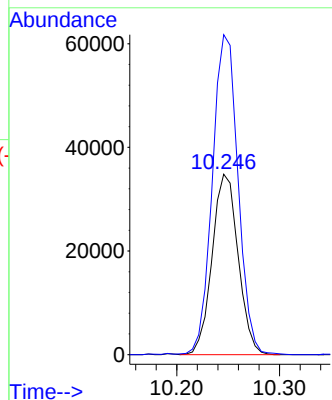
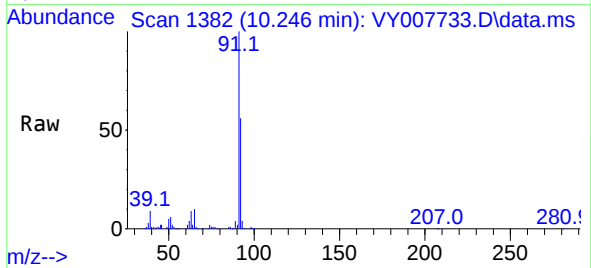




#52  
Toluene  
Concen: 6.050 ug/l  
RT: 10.246 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY007733.D  
Acq: 04 Mar 2022 03:41

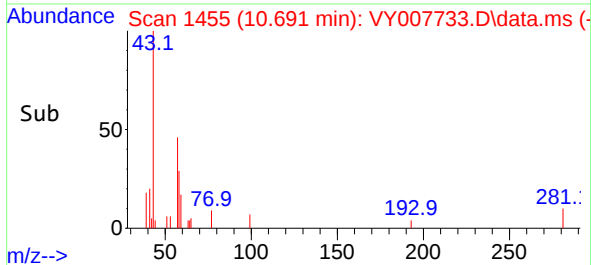
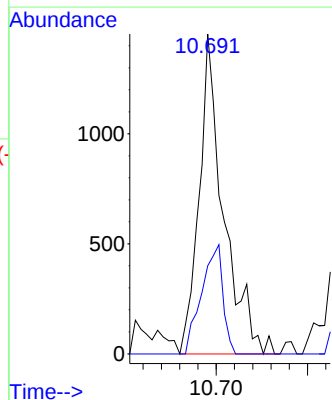
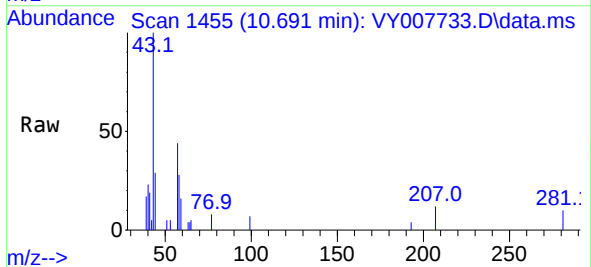
Instrument :  
MSVOA\_Y  
ClientSampleId :  
23-24-SAMPLE-LOCATION-12

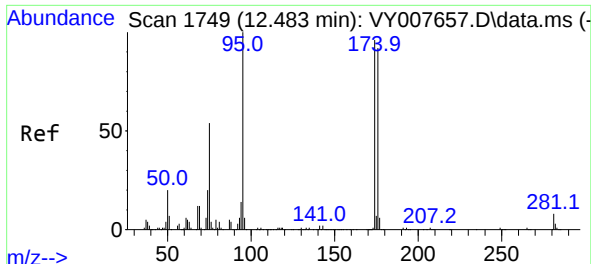
Tgt Ion: 92 Resp: 61179  
Ion Ratio Lower Upper  
92 100  
91 175.0 142.6 213.8



#59  
2-Hexanone  
Concen: 1.294 ug/l  
RT: 10.691 min Scan# 1455  
Delta R.T. -0.140 min  
Lab File: VY007733.D  
Acq: 04 Mar 2022 03:41

Tgt Ion: 43 Resp: 2676  
Ion Ratio Lower Upper  
43 100  
58 29.9 24.4 73.4

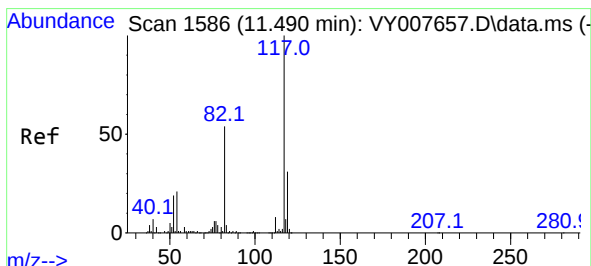
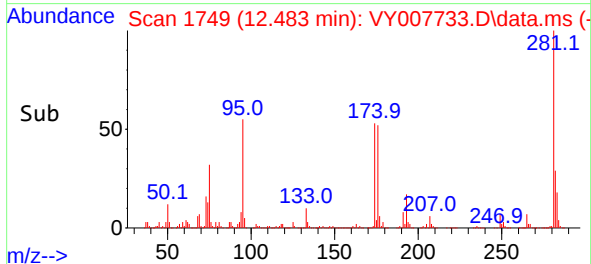
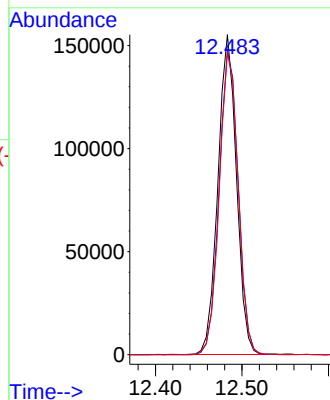
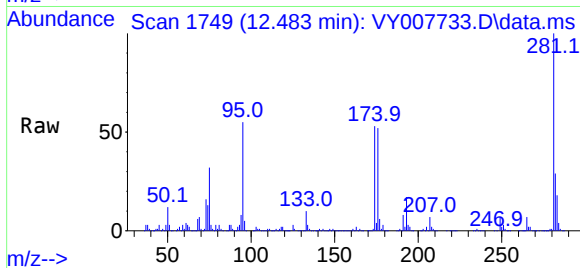




#62  
4-Bromofluorobenzene  
Concen: 54.503 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY007733.D  
Acq: 04 Mar 2022 03:41

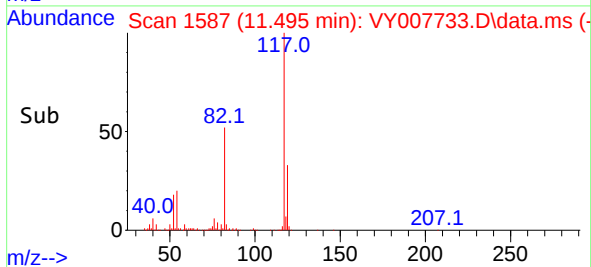
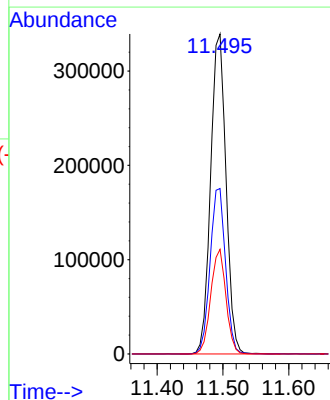
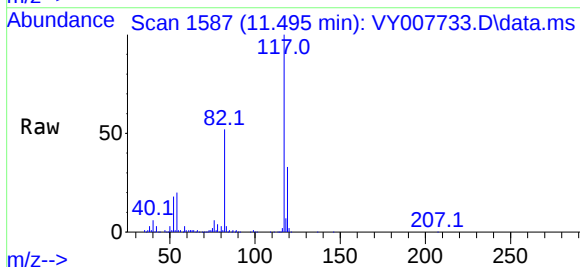
Instrument :  
MSVOA\_Y  
ClientSampleId :  
23-24-SAMPLE-LOCATION-12

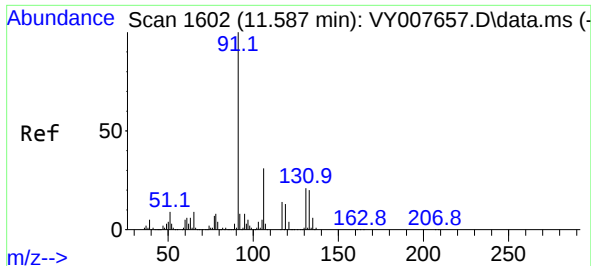
Tgt Ion: 95 Resp: 231019  
Ion Ratio Lower Upper  
95 100  
174 97.5 0.0 177.0  
176 96.3 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.495 min Scan# 1587  
Delta R.T. 0.005 min  
Lab File: VY007733.D  
Acq: 04 Mar 2022 03:41

Tgt Ion: 117 Resp: 553053  
Ion Ratio Lower Upper  
117 100  
82 51.7 43.0 64.4  
119 32.7 25.4 38.0





#67

Ethyl Benzene

Concen: 3.096 ug/l

RT: 11.593 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY007733.D

Acq: 04 Mar 2022 03:41

Instrument :

MSVOA\_Y

ClientSampleId :

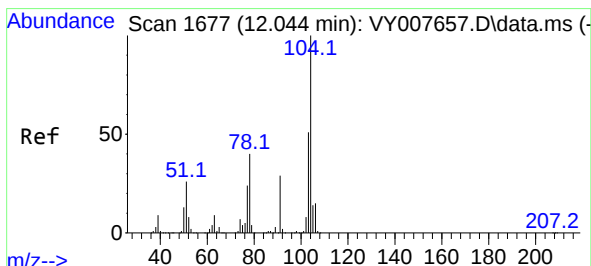
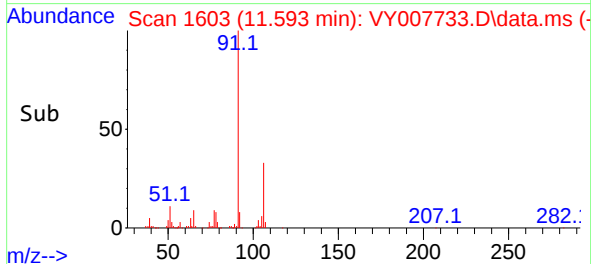
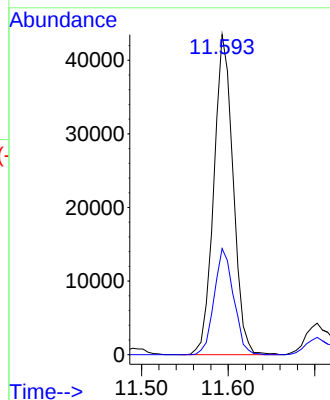
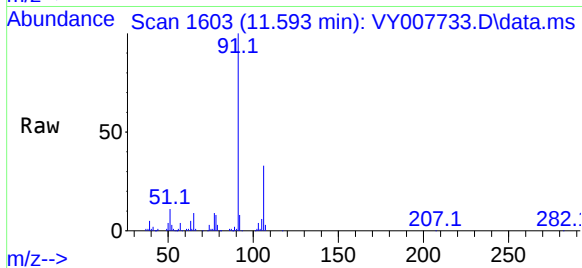
23-24-SAMPLE-LOCATION-12

Tgt Ion: 91 Resp: 67264

Ion Ratio Lower Upper

91 100

106 33.2 24.5 36.7



#70

Styrene

Concen: 3.091 ug/l

RT: 12.044 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VY007733.D

Acq: 04 Mar 2022 03:41

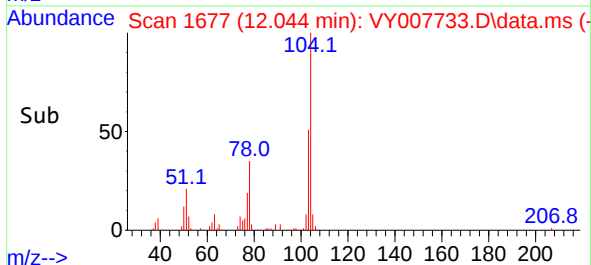
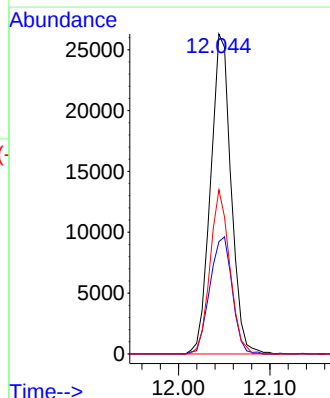
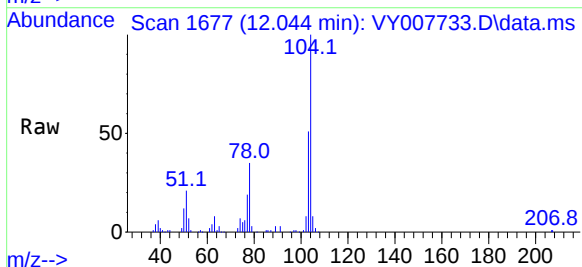
Tgt Ion: 104 Resp: 40889

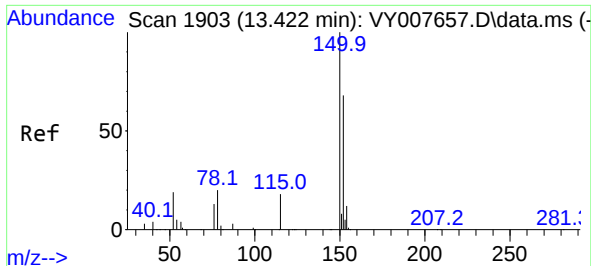
Ion Ratio Lower Upper

104 100

78 39.8 42.4 63.6#

103 49.3 44.4 66.6

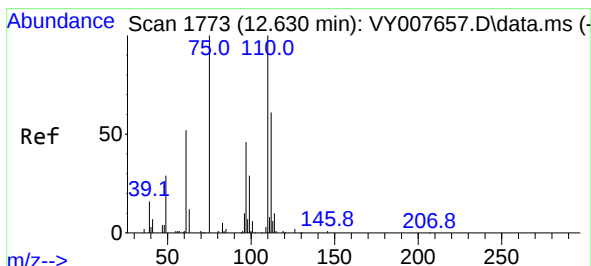
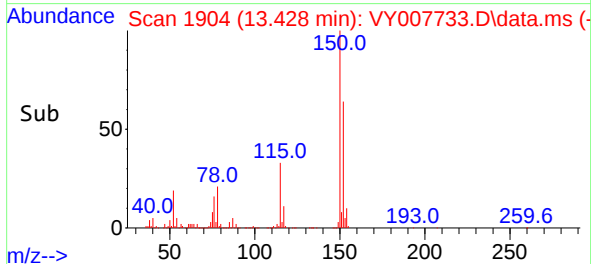
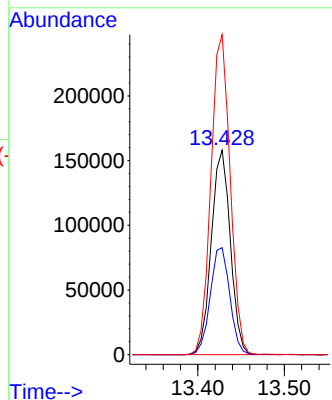
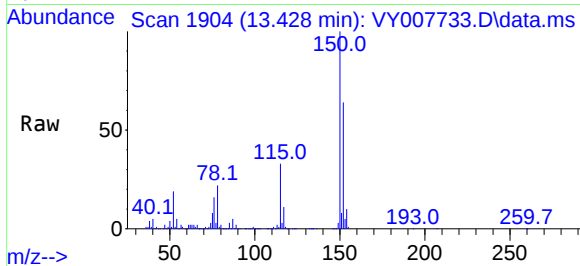




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1903  
 Delta R.T. 0.006 min  
 Lab File: VY007733.D  
 Acq: 04 Mar 2022 03:41

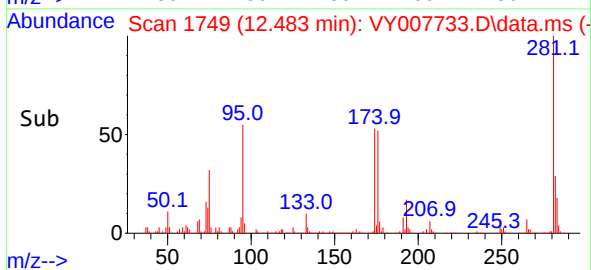
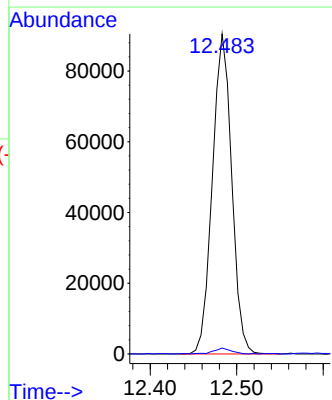
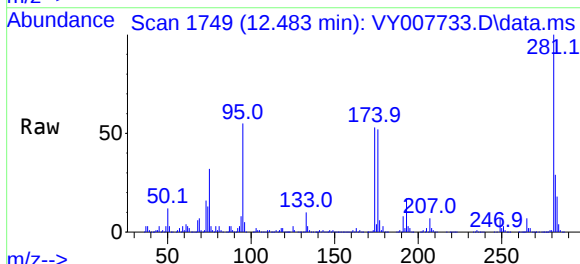
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 23-24-SAMPLE-LOCATION-12

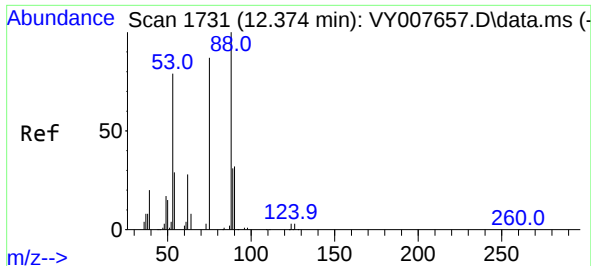
Tgt Ion:152 Resp: 241505  
 Ion Ratio Lower Upper  
 152 100  
 115 53.8 28.2 84.7  
 150 158.2 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 51.948 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.147 min  
 Lab File: VY007733.D  
 Acq: 04 Mar 2022 03:41

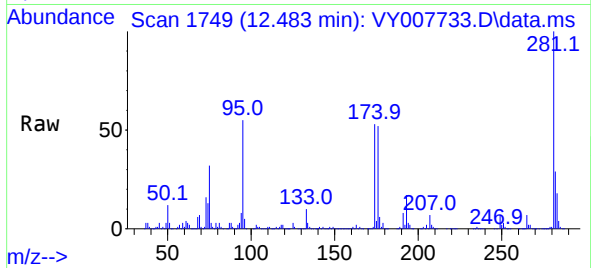
Tgt Ion: 75 Resp: 140107  
 Ion Ratio Lower Upper  
 75 100  
 77 1.7 0.0 0.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 106.202 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.109 min  
Lab File: VY007733.D  
Acq: 04 Mar 2022 03:41

Instrument :  
MSVOA\_Y  
ClientSampleId :  
23-24-SAMPLE-LOCATION-12



Tgt Ion: 75 Resp: 140107  
Ion Ratio Lower Upper  
75 100  
53 0.1 85.3 127.9#  
89 2.4 37.0 55.4#

