

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111422\  
 Data File : VY011445.D  
 Acq On : 14 Nov 2022 17:18  
 Operator : KP/MD  
 Sample : N5528-01RE  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SAMPLE-3

Quant Time: Nov 15 01:50:37 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111022S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 10 17:47:26 2022  
 Response via : Initial Calibration

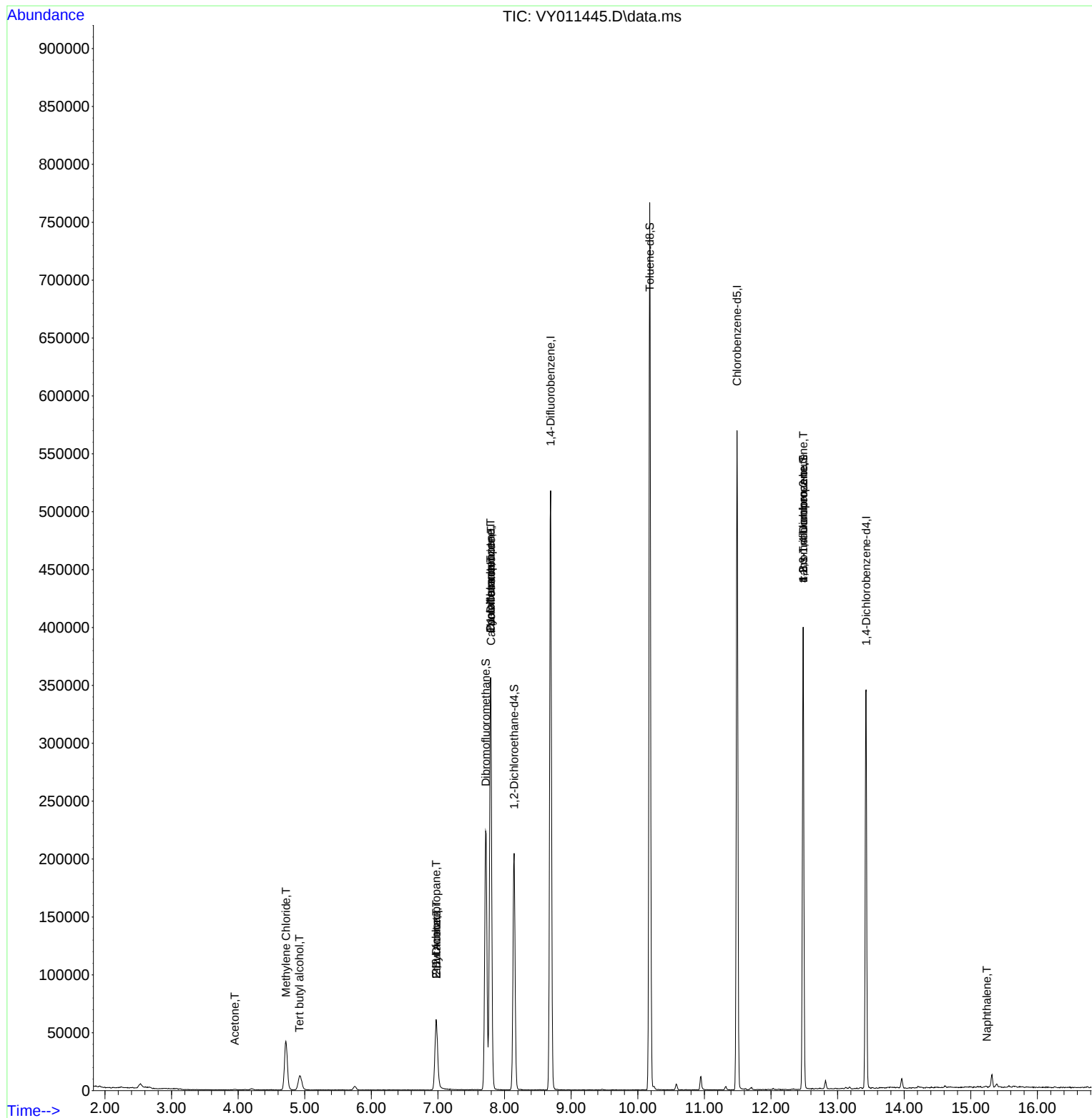
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 290989   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 468109   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 328225   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 96017    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.143  | 65    | 156621   | 64.231    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 128.460% |          |
| 35) Dibromofluoromethane      | 7.716  | 113   | 163753   | 62.420    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 124.840% |          |
| 50) Toluene-d8                | 10.179 | 98    | 511969   | 51.084    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 102.160% |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 122353   | 35.002    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 70.000%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 1.906  | 85    | 201      | Below Cal | #          | 63       |
| 11) Tert butyl alcohol        | 4.918  | 59    | 12759    | 13.875    | ug/l #     | 79       |
| 16) Acetone                   | 3.948  | 43    | 971      | 1.509     | ug/l #     | 49       |
| 18) Methyl Acetate            | 4.479  | 43    | 271      | Below Cal | #          | 56       |
| 20) Methylene Chloride        | 4.716  | 84    | 35739    | 3.207     | ug/l #     | 79       |
| 25) 2-Butanone                | 6.978  | 43    | 2474     | 2.699     | ug/l #     | 86       |
| 26) 2,2-Dichloropropane       | 6.972  | 77    | 4627     | 1.010     | ug/l #     | 55       |
| 31) Cyclohexane               | 7.789  | 56    | 4573     | 1.044     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 20117    | 4.941     | ug/l #     | 50       |
| 37) Ethyl Acetate             | 6.978  | 43    | 2474     | 1.265     | ug/l #     | 1        |
| 38) Carbon Tetrachloride      | 7.795  | 117   | 27490    | 6.207     | ug/l #     | 15       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 57540    | 51.771    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 57540    | 124.443   | ug/l #     | 7        |
| 95) Naphthalene               | 15.239 | 128   | 1311     | 3.613     | ug/l #     | 89       |
| -----                         |        |       |          |           |            |          |

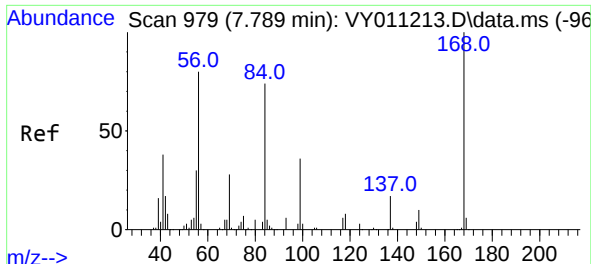
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Nov 10 17:47:26 2022  
Response via : Initial Calibration

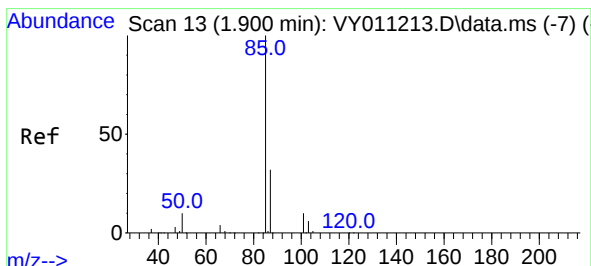
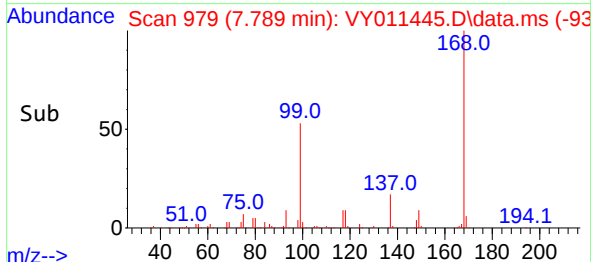
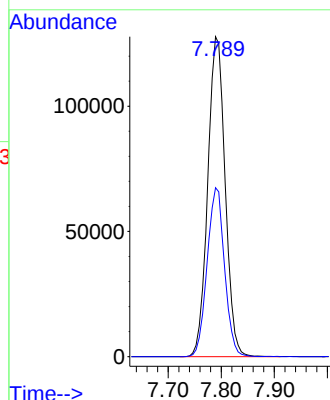
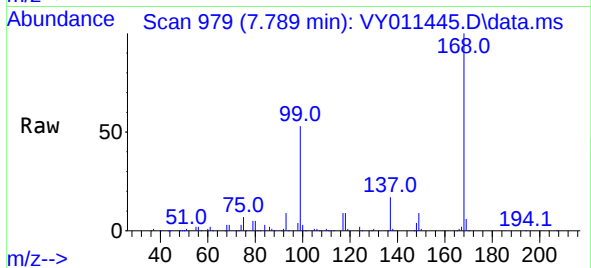




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY011445.D  
Acq: 14 Nov 2022 17:18

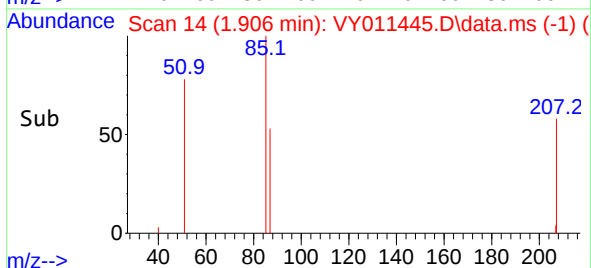
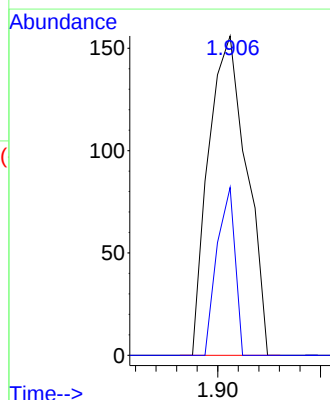
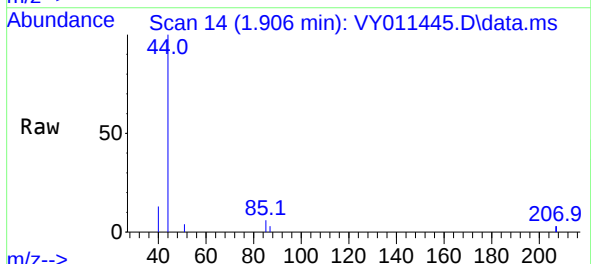
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SAMPLE-3

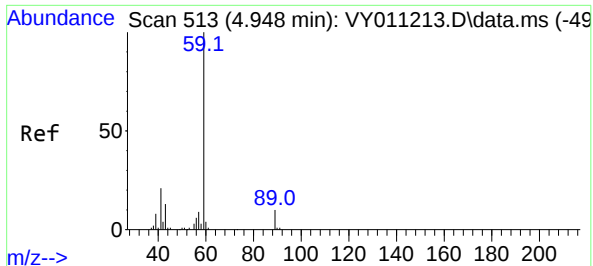
Tgt Ion:168 Resp: 290989  
Ion Ratio Lower Upper  
168 100  
99 52.8 46.9 70.3



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.906 min Scan# 14  
Delta R.T. 0.006 min  
Lab File: VY011445.D  
Acq: 14 Nov 2022 17:18

Tgt Ion: 85 Resp: 201  
Ion Ratio Lower Upper  
85 100  
87 52.6 16.1 48.2#





#11

Tert butyl alcohol

Concen: 13.875 ug/l

RT: 4.918 min Scan# 50

Delta R.T. -0.036 min

Lab File: VY011445.D

Acq: 14 Nov 2022 17:18

Instrument :

MSVOA\_Y

ClientSampleId :

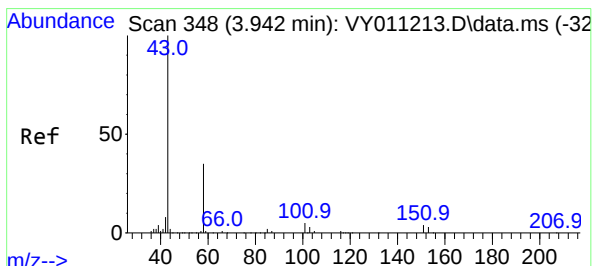
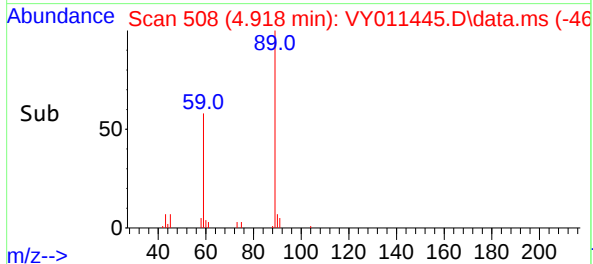
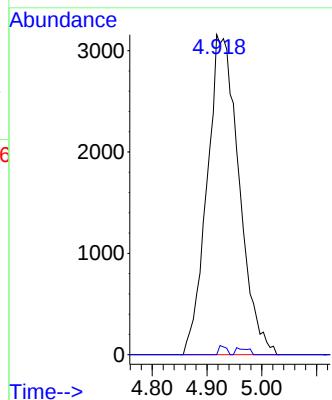
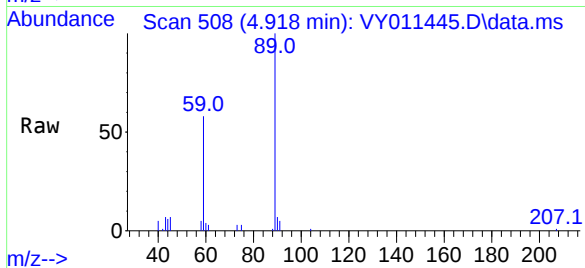
SAMPLE-3

Tgt Ion: 59 Resp: 12759

Ion Ratio Lower Upper

59 100

57 0.7 6.4 9.6#



#16

Acetone

Concen: 1.509 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY011445.D

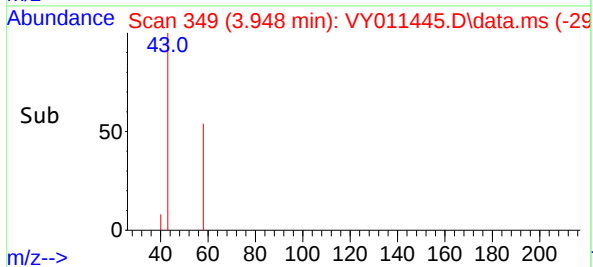
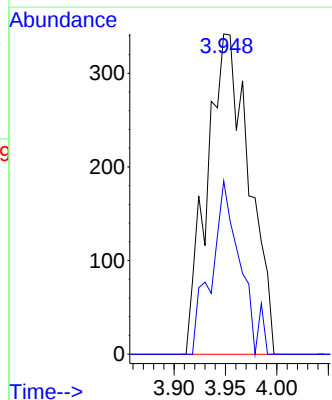
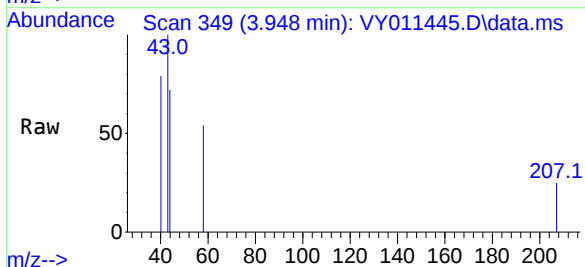
Acq: 14 Nov 2022 17:18

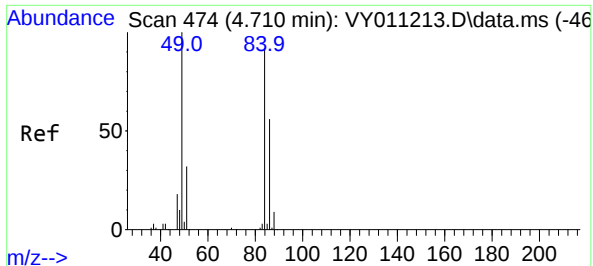
Tgt Ion: 43 Resp: 971

Ion Ratio Lower Upper

43 100

58 54.1 22.0 33.0#

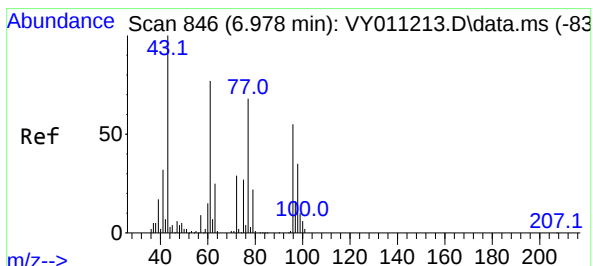
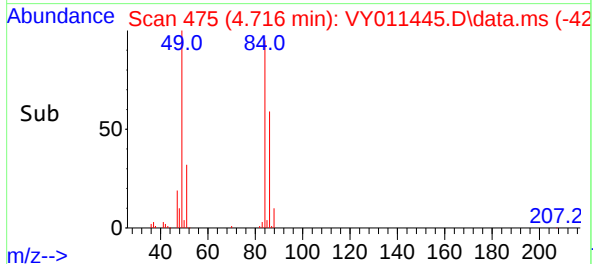
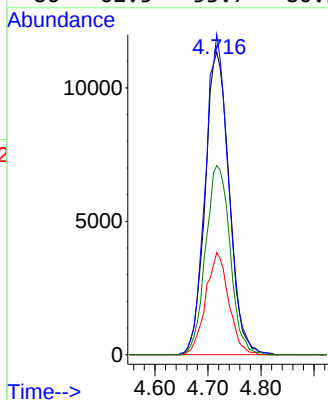
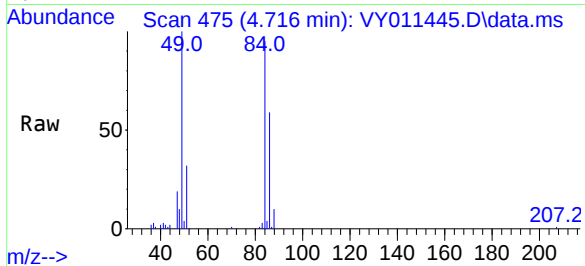




#20  
Methylene Chloride  
Concen: 3.207 ug/l  
RT: 4.716 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VY011445.D  
Acq: 14 Nov 2022 17:18

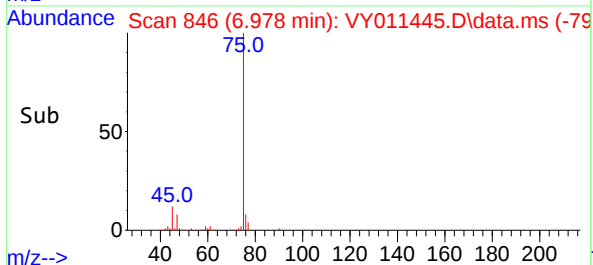
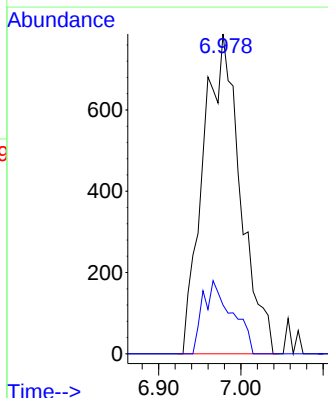
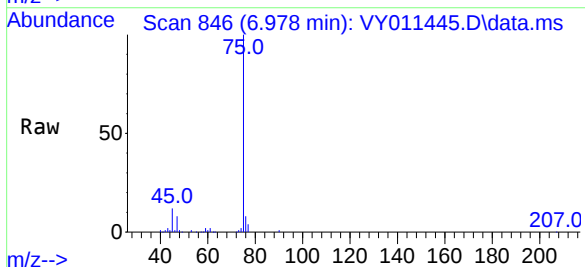
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SAMPLE-3

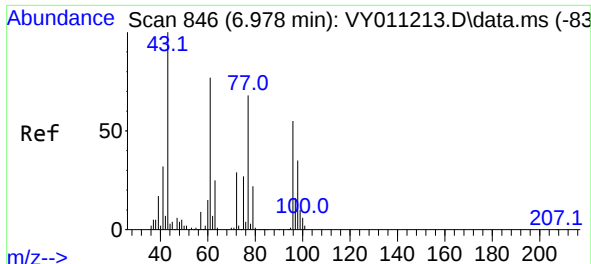
Tgt Ion: 84 Resp: 35739  
Ion Ratio Lower Upper  
84 100  
49 105.8 114.4 171.6#  
51 33.8 35.3 52.9#  
86 62.5 53.7 80.5



#25  
2-Butanone  
Concen: 2.699 ug/l  
RT: 6.978 min Scan# 846  
Delta R.T. 0.000 min  
Lab File: VY011445.D  
Acq: 14 Nov 2022 17:18

Tgt Ion: 43 Resp: 2474  
Ion Ratio Lower Upper  
43 100  
72 15.2 17.7 26.5#





#26

2,2-Dichloropropane

Concen: 1.010 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY011445.D

Acq: 14 Nov 2022 17:18

Instrument :

MSVOA\_Y

ClientSampleId :

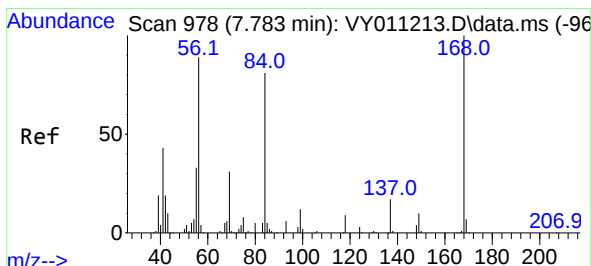
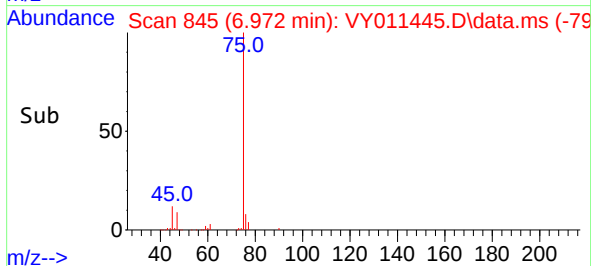
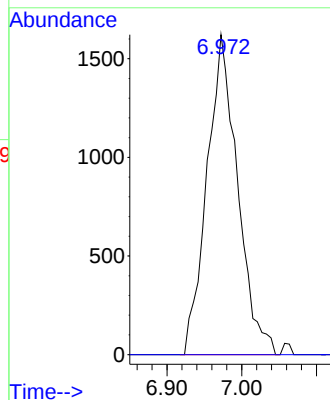
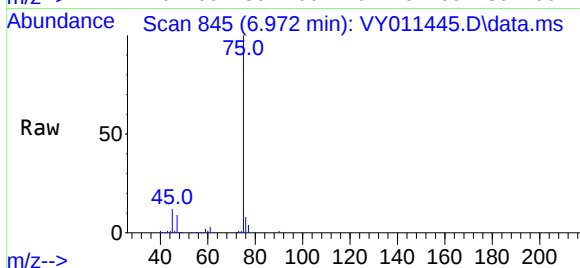
SAMPLE-3

Tgt Ion: 77 Resp: 4627

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: 1.044 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY011445.D

Acq: 14 Nov 2022 17:18

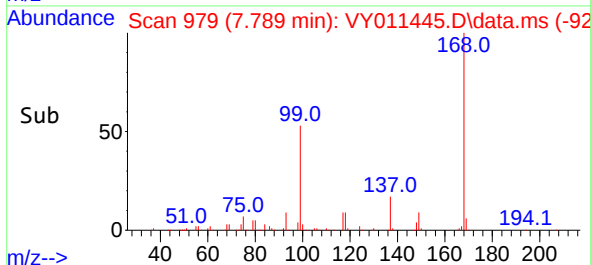
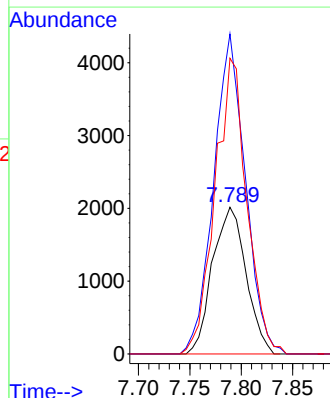
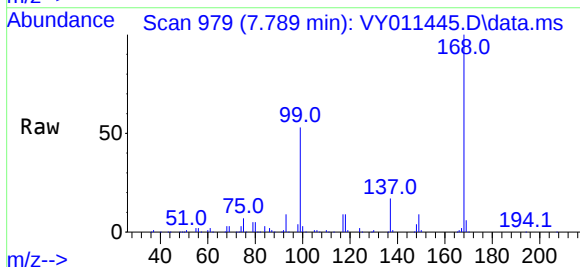
Tgt Ion: 56 Resp: 4573

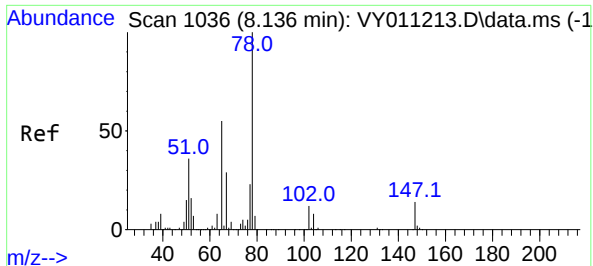
Ion Ratio Lower Upper

56 100

69 218.0 26.7 40.1#

84 201.4 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 64.231 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.007 min

Lab File: VY011445.D

Acq: 14 Nov 2022 17:18

Instrument :

MSVOA\_Y

ClientSampleId :

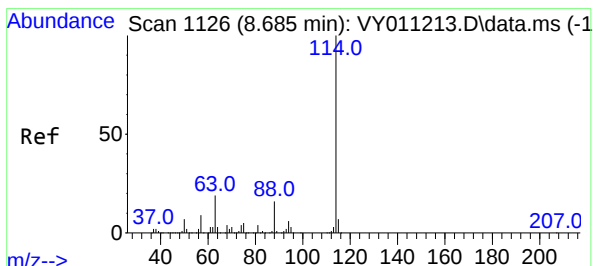
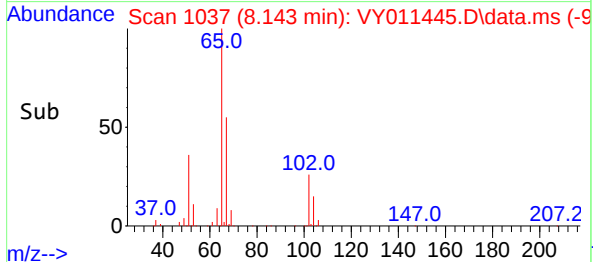
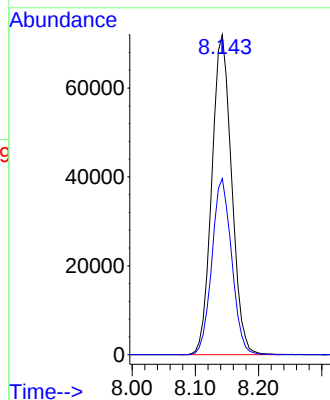
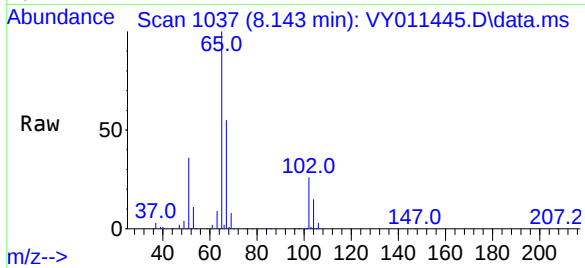
SAMPLE-3

Tgt Ion: 65 Resp: 156621

Ion Ratio Lower Upper

65 100

67 54.7 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY011445.D

Acq: 14 Nov 2022 17:18

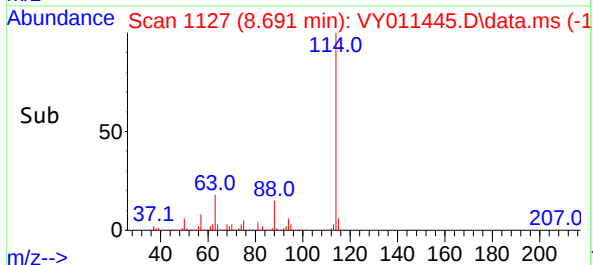
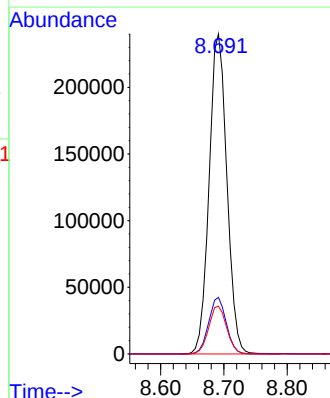
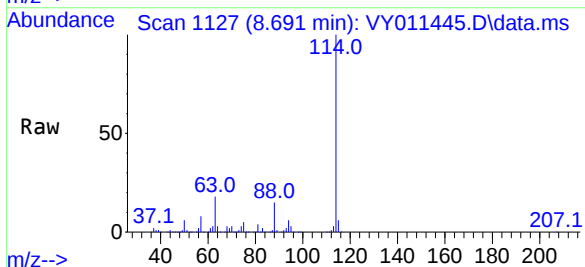
Tgt Ion:114 Resp: 468109

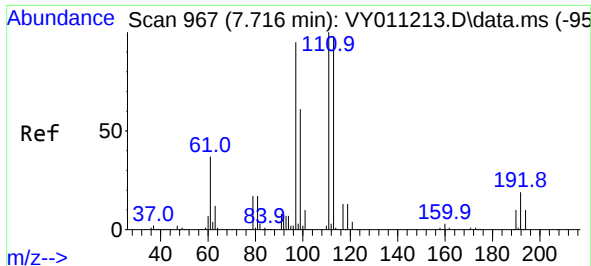
Ion Ratio Lower Upper

114 100

63 17.7 0.0 43.2

88 15.0 0.0 31.8

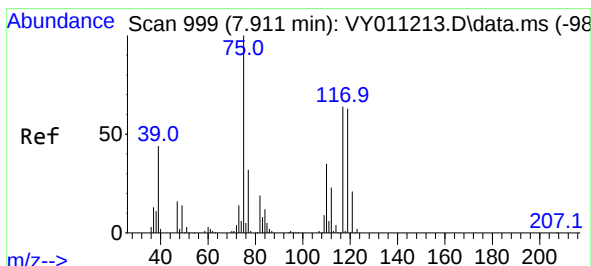
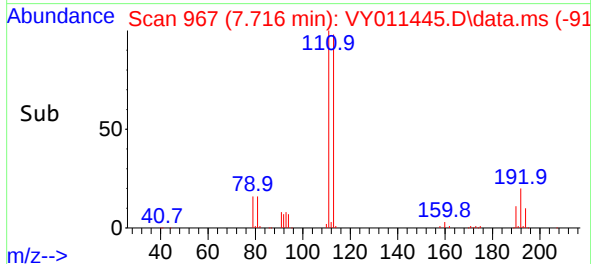
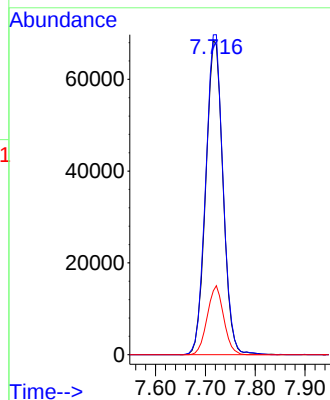
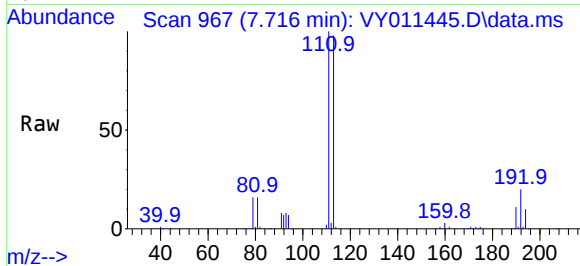




#35  
Dibromofluoromethane  
Concen: 62.420 ug/l  
RT: 7.716 min Scan# 901  
Delta R.T. 0.006 min  
Lab File: VY011445.D  
Acq: 14 Nov 2022 17:18

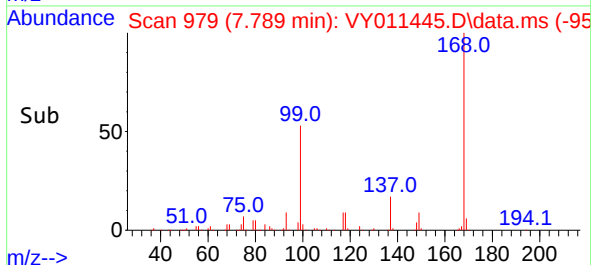
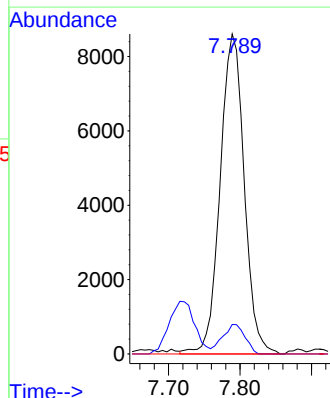
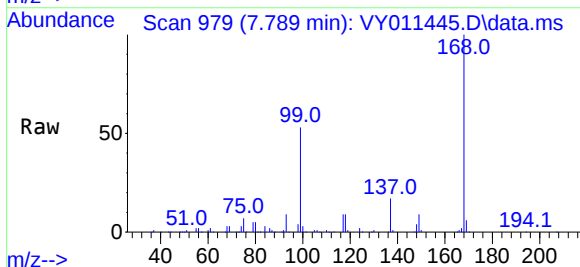
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ClientSampleId :  
SAMPLE-3

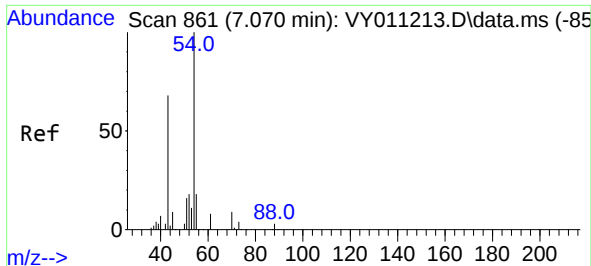
Tgt Ion:113 Resp: 163753  
Ion Ratio Lower Upper  
113 100  
111 102.6 82.6 124.0  
192 21.0 17.6 26.4



#36  
1,1-Dichloropropene  
Concen: 4.941 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.128 min  
Lab File: VY011445.D  
Acq: 14 Nov 2022 17:18

Tgt Ion: 75 Resp: 20117  
Ion Ratio Lower Upper  
75 100  
110 8.6 17.1 51.2#  
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.265 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.092 min

Lab File: VY011445.D

Acq: 14 Nov 2022 17:18

Instrument :

MSVOA\_Y

ClientSampleId :

SAMPLE-3

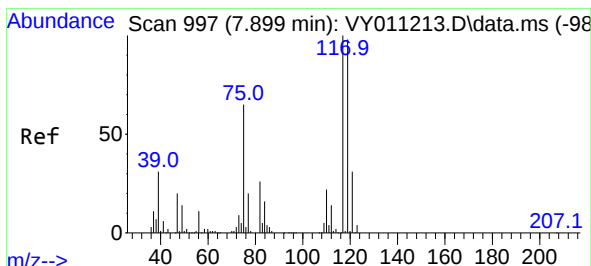
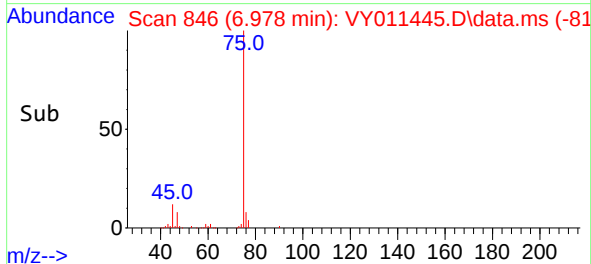
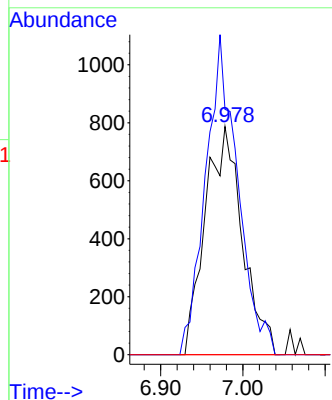
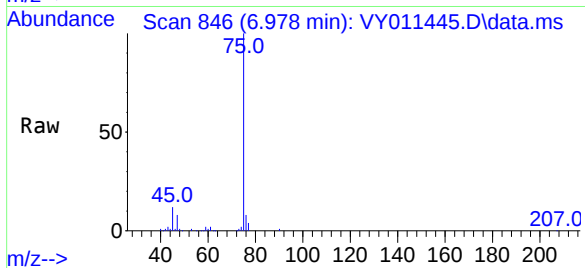
Tgt Ion: 43 Resp: 2474

Ion Ratio Lower Upper

43 100

61 120.9 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.207 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.104 min

Lab File: VY011445.D

Acq: 14 Nov 2022 17:18

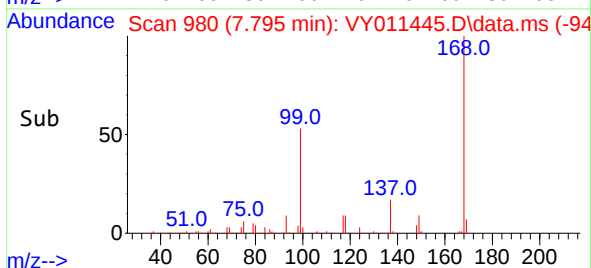
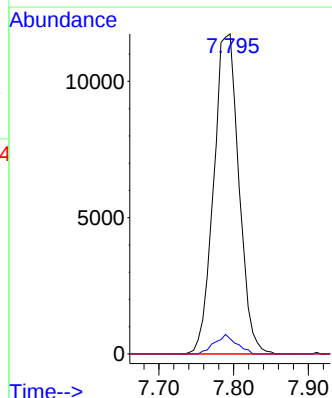
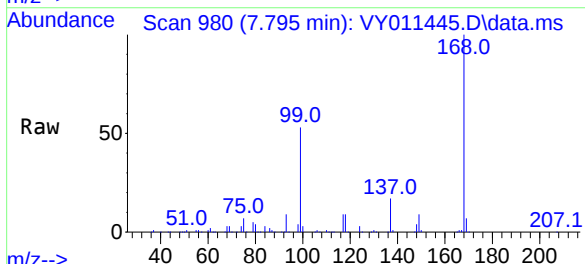
Tgt Ion: 117 Resp: 27490

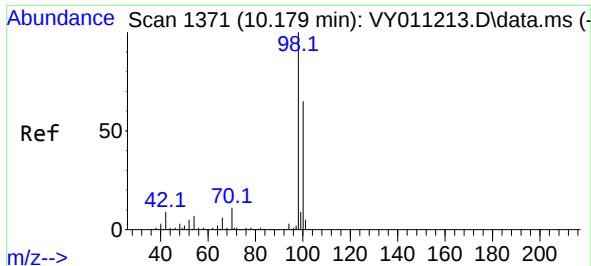
Ion Ratio Lower Upper

117 100

119 4.8 77.9 116.9#

121 0.0 24.8 37.2#

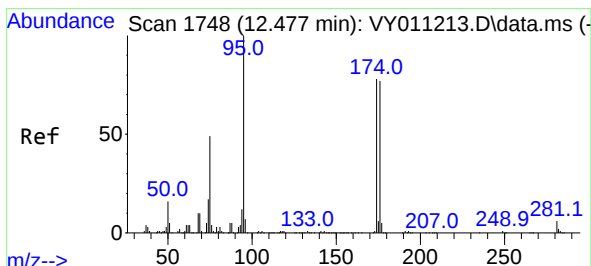
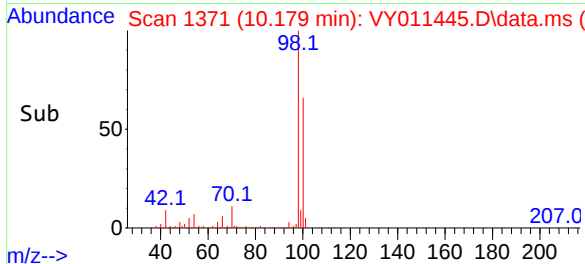
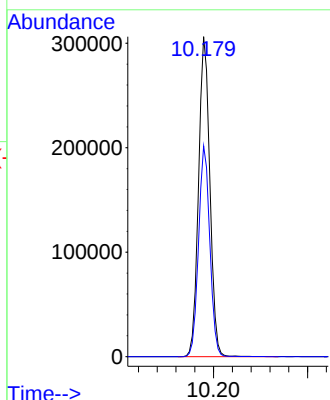
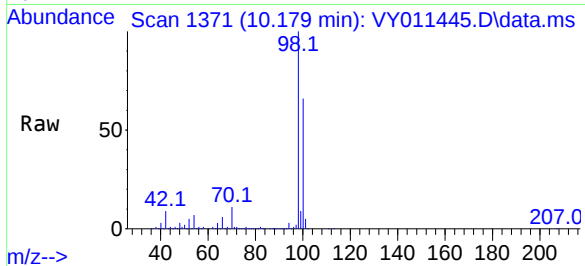




#50  
Toluene-d8  
Concen: 51.084 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY011445.D  
Acq: 14 Nov 2022 17:18

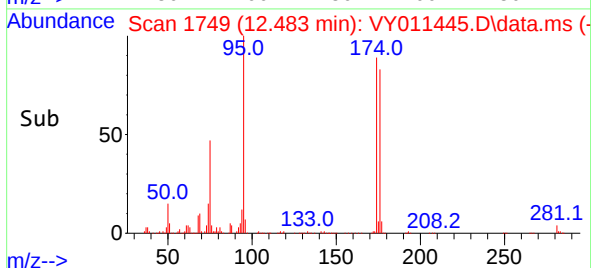
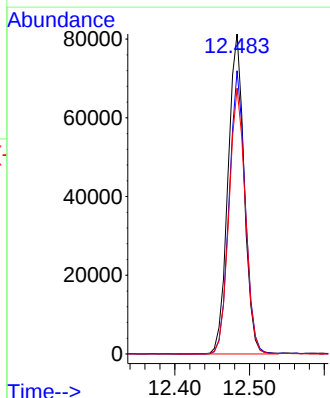
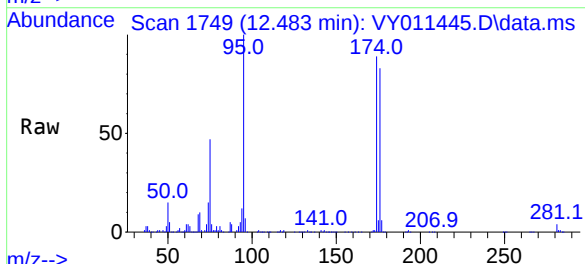
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SAMPLE-3

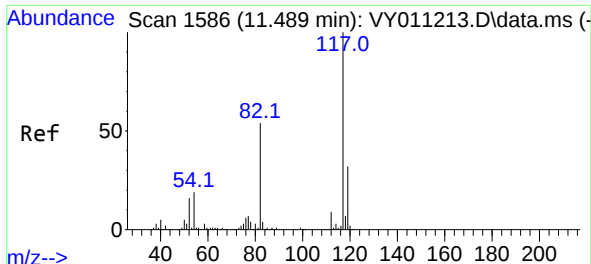
Tgt Ion: 98 Resp: 511969  
Ion Ratio Lower Upper  
98 100  
100 65.6 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 35.002 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY011445.D  
Acq: 14 Nov 2022 17:18

Tgt Ion: 95 Resp: 122353  
Ion Ratio Lower Upper  
95 100  
174 87.6 0.0 177.0  
176 83.5 0.0 175.8

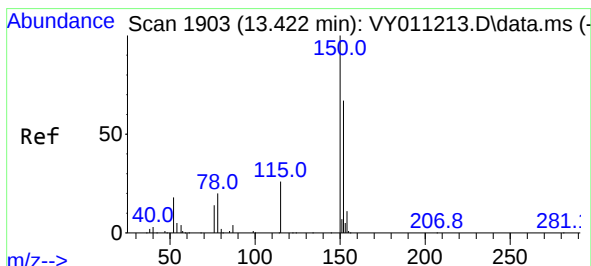
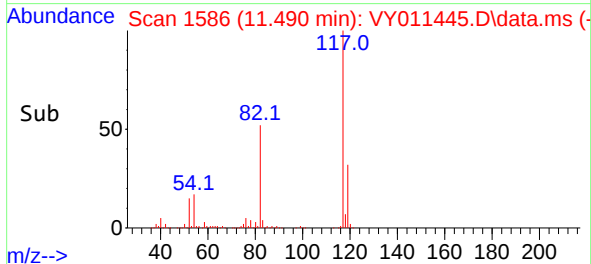
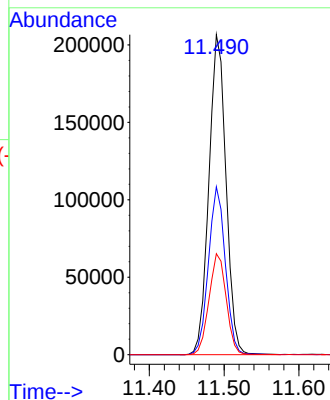
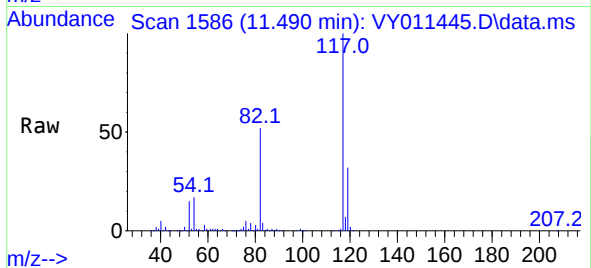




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY011445.D  
Acq: 14 Nov 2022 17:18

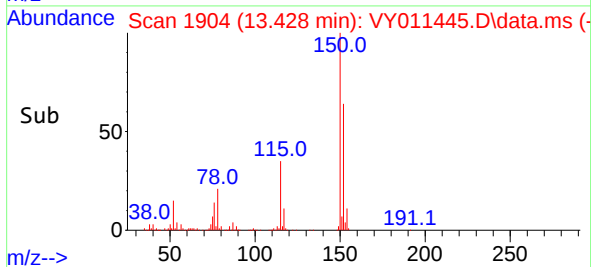
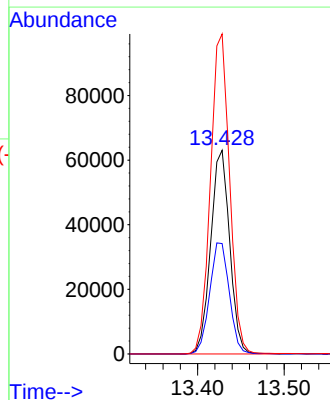
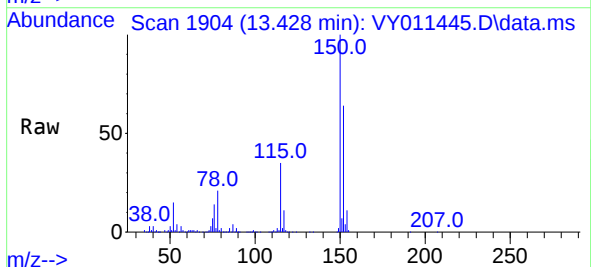
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SAMPLE-3

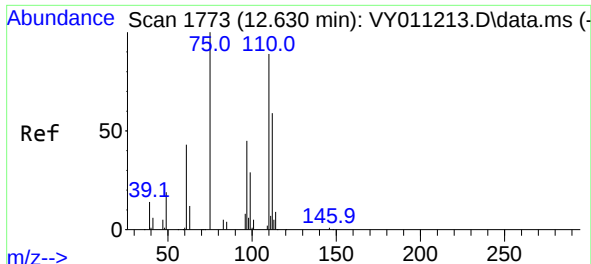
Tgt Ion:117 Resp: 328225  
Ion Ratio Lower Upper  
117 100  
82 52.5 43.0 64.4  
119 31.5 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VY011445.D  
Acq: 14 Nov 2022 17:18

Tgt Ion:152 Resp: 96017  
Ion Ratio Lower Upper  
152 100  
115 56.4 28.2 84.7  
150 158.7 0.0 347.6





#76

1,2,3-Trichloropropane

Concen: 51.771 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY011445.D

Acq: 14 Nov 2022 17:18

Instrument :

MSVOA\_Y

ClientSampleId :

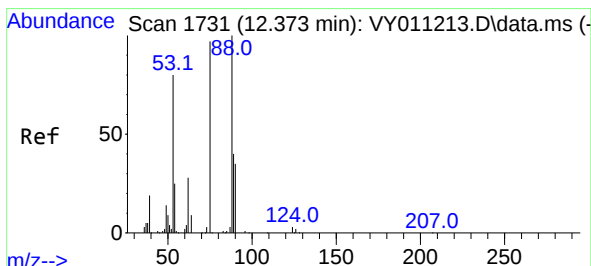
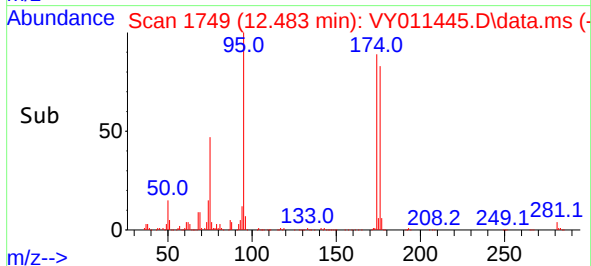
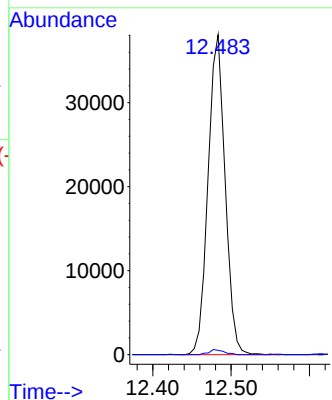
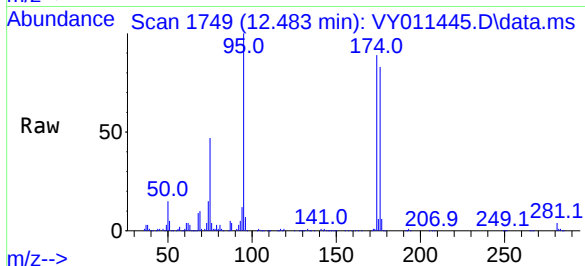
SAMPLE-3

Tgt Ion: 75 Resp: 57540

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 124.443 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.103 min

Lab File: VY011445.D

Acq: 14 Nov 2022 17:18

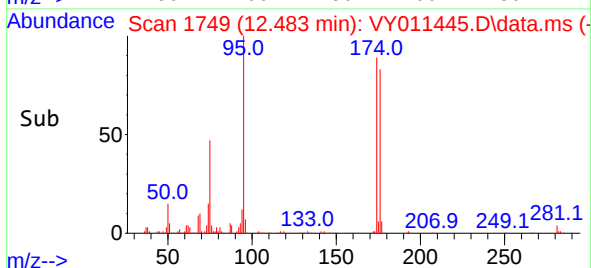
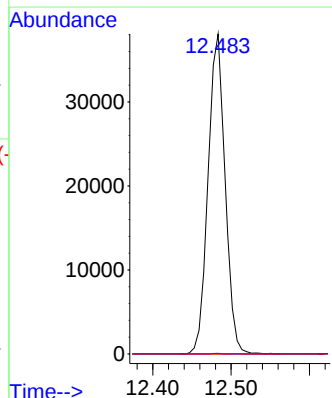
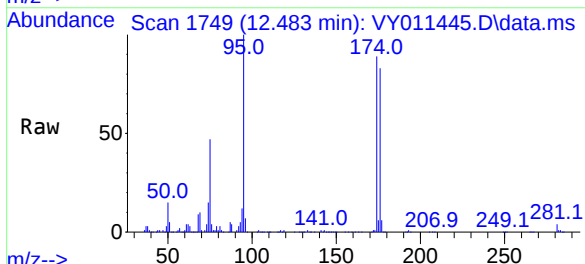
Tgt Ion: 75 Resp: 57540

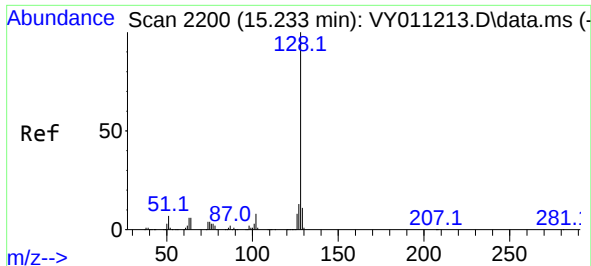
Ion Ratio Lower Upper

75 100

53 0.1 85.3 127.9#

89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 3.613 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY011445.D

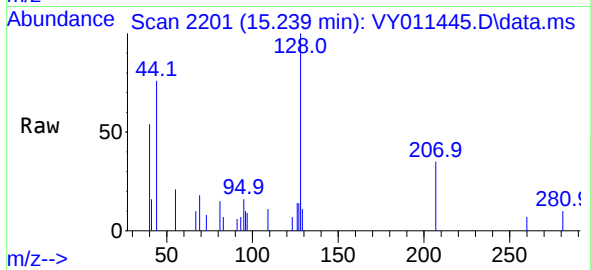
Acq: 14 Nov 2022 17:18

Instrument :

MSVOA\_Y

ClientSampleId :

SAMPLE-3



Tgt Ion:128 Resp: 1311

Ion Ratio Lower Upper

128 100

127 19.2 11.0 16.4#

129 7.7 8.4 12.6#

