

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011924\  
 Data File : VY017053.D  
 Acq On : 19 Jan 2024 14:12  
 Operator : SY/MD  
 Sample : P1184-09  
 Misc : 3.68g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 14 Sample Multiplier: 1

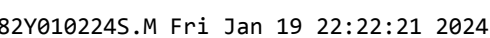
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-5-19.5-20.0

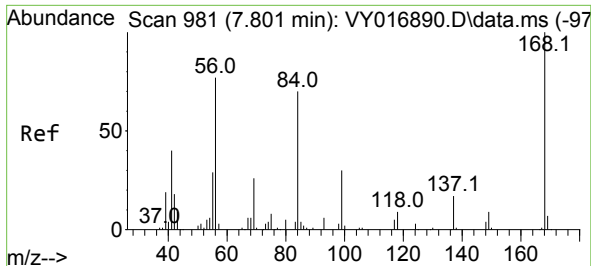
Quant Time: Jan 19 22:22:06 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010224S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 02 14:25:32 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.819  | 168   | 99023    | 50.000    | ug/l   | 0.02     |
| 34) 1,4-Difluorobenzene       | 8.716  | 114   | 215017   | 50.000    | ug/l   | 0.01     |
| 63) Chlorobenzene-d5          | 11.514 | 117   | 205813   | 50.000    | ug/l   | 0.01     |
| 72) 1,4-Dichlorobenzene-d4    | 13.446 | 152   | 76944    | 50.000    | ug/l   | 0.01     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.167  | 65    | 46708    | 47.724    | ug/l   | 0.01     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 95.440%  |
| 35) Dibromofluoromethane      | 7.746  | 113   | 51635    | 37.685    | ug/l   | 0.02     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 75.380%  |
| 50) Toluene-d8                | 10.203 | 98    | 186989   | 39.631    | ug/l   | 0.01     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 79.260%  |
| 62) 4-Bromofluorobenzene      | 12.501 | 95    | 58159    | 36.535    | ug/l   | 0.01     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | =      | 73.080%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 16) Acetone                   | 3.972  | 43    | 910      | Below Cal | #      | 70       |
| 20) Methylene Chloride        | 4.747  | 84    | 17317    | 7.458     | ug/l   | 90       |
| 25) 2-Butanone                | 7.033  | 43    | 20       | Below Cal | #      | 48       |
| 31) Cyclohexane               | 7.819  | 56    | 2337     | 1.391     | ug/l   | # 32     |
| 36) 1,1-Dichloropropene       | 7.819  | 75    | 8114     | 4.063     | ug/l   | # 49     |
| 38) Carbon Tetrachloride      | 7.819  | 117   | 10251    | 5.053     | ug/l   | # 16     |
| 76) 1,2,3-Trichloropropane    | 12.501 | 75    | 30657    | 36.716    | ug/l   | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.501 | 75    | 30657    | 83.372    | ug/l   | # 12     |
| -----                         |        |       |          |           |        |          |

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

Quant Time: Jan 19 22:22:06 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010224S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 02 14:25:32 2024  
Response via : Initial Calibration

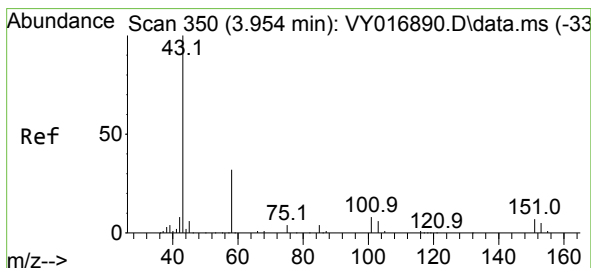
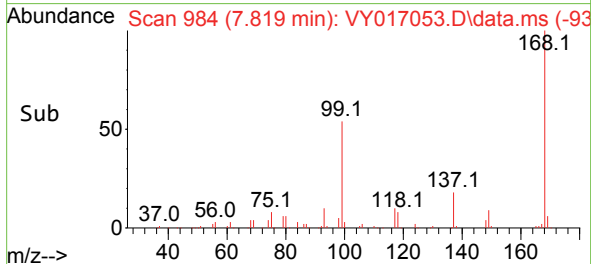
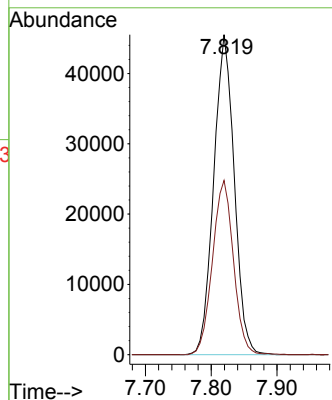
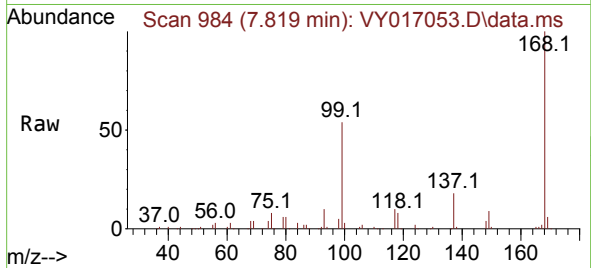




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.819 min Scan# 91  
Delta R.T. 0.018 min  
Lab File: VY017053.D  
Acq: 19 Jan 2024 14:12

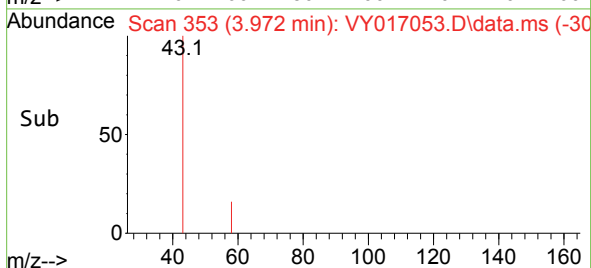
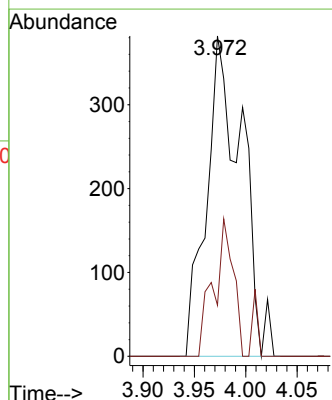
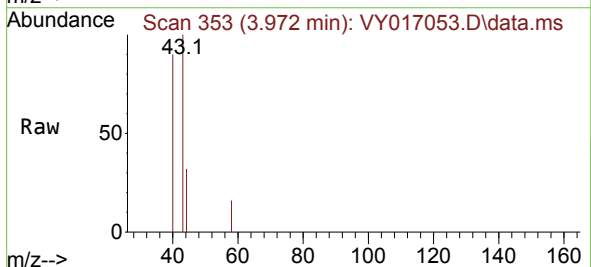
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-5-19.5-20.0

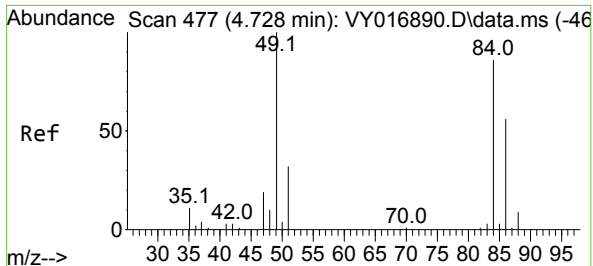
Tgt Ion:168 Resp: 99023  
Ion Ratio Lower Upper  
168 100  
99 54.4 44.2 66.4



#16  
Acetone  
Concen: Below Cal  
RT: 3.972 min Scan# 353  
Delta R.T. 0.012 min  
Lab File: VY017053.D  
Acq: 19 Jan 2024 14:12

Tgt Ion: 43 Resp: 910  
Ion Ratio Lower Upper  
43 100  
58 16.0 26.6 39.8#





#20

Methylene Chloride

Concen: 7.458 ug/l

RT: 4.747 min Scan# 41

Delta R.T. 0.013 min

Lab File: VY017053.D

Acq: 19 Jan 2024 14:12

Instrument :

MSVOA\_Y

ClientSampleId :

SB-5-19.5-20.0

Tgt Ion: 84 Resp: 17317

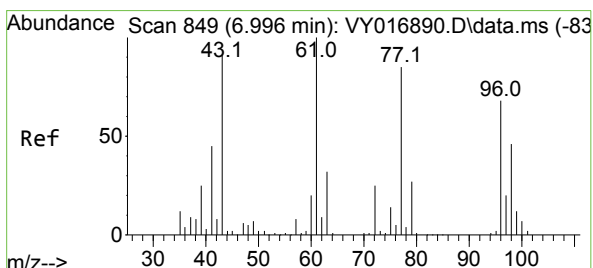
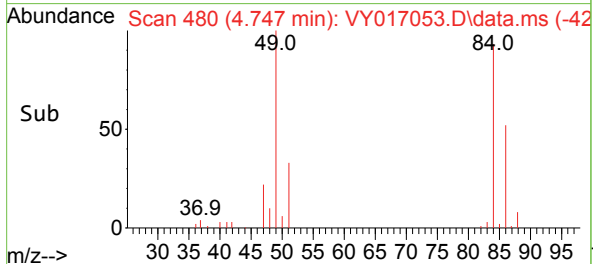
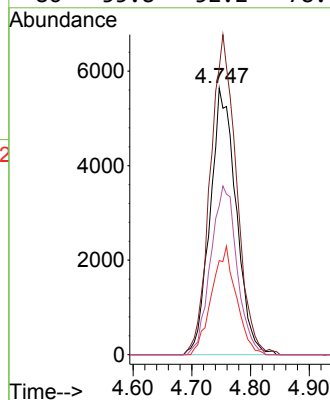
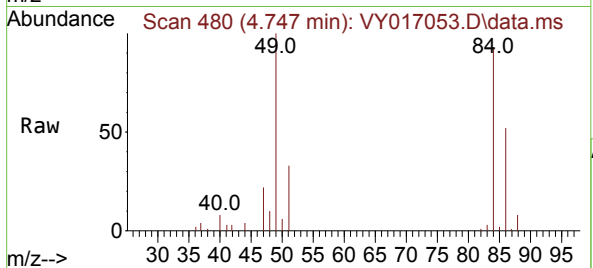
Ion Ratio Lower Upper

84 100

49 107.4 95.2 142.8

51 35.3 29.9 44.9

86 55.8 52.2 78.4



#25

2-Butanone

Concen: Below Cal

RT: 7.033 min Scan# 855

Delta R.T. 0.037 min

Lab File: VY017053.D

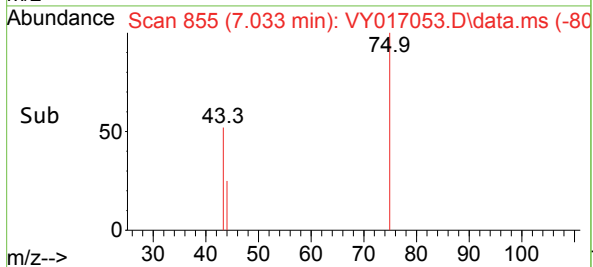
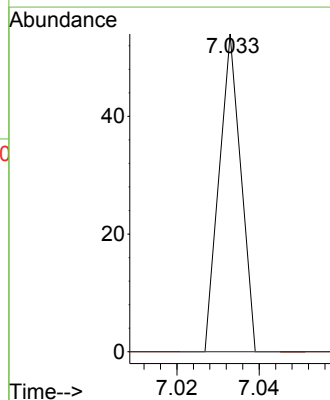
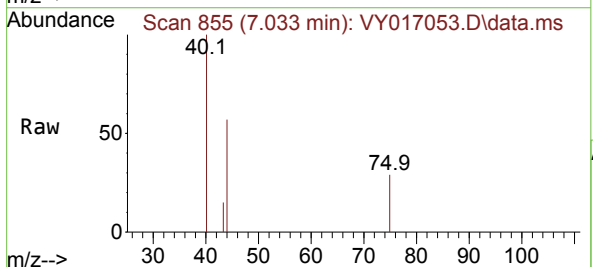
Acq: 19 Jan 2024 14:12

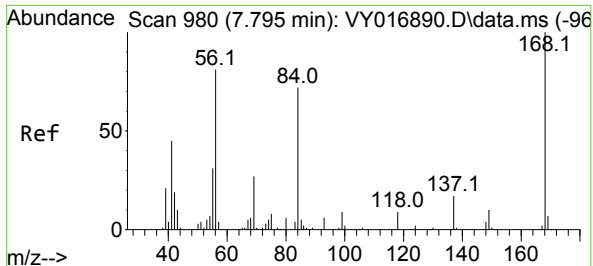
Tgt Ion: 43 Resp: 20

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#

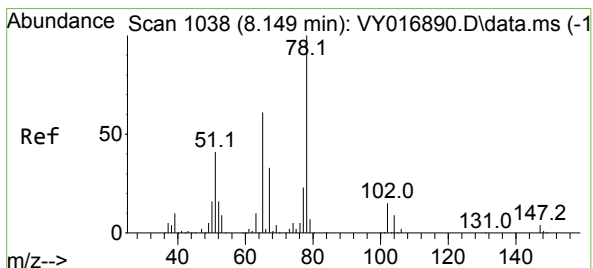
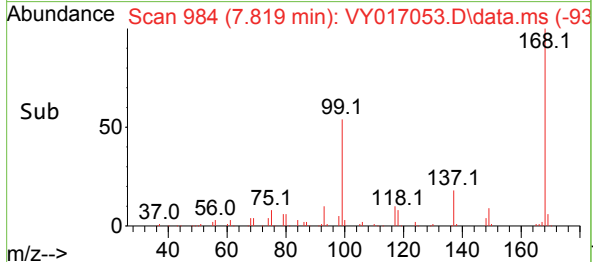
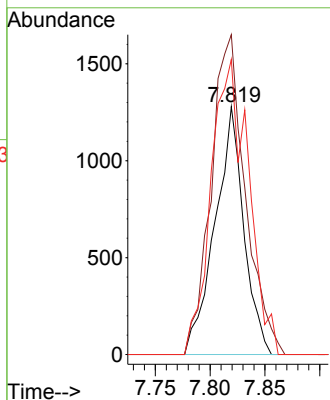
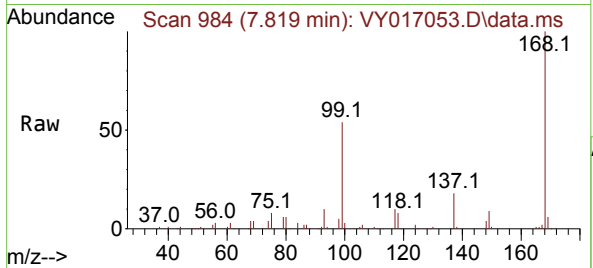




#31  
Cyclohexane  
Concen: 1.391 ug/l  
RT: 7.819 min Scan# 91  
Delta R.T. 0.018 min  
Lab File: VY017053.D  
Acq: 19 Jan 2024 14:12

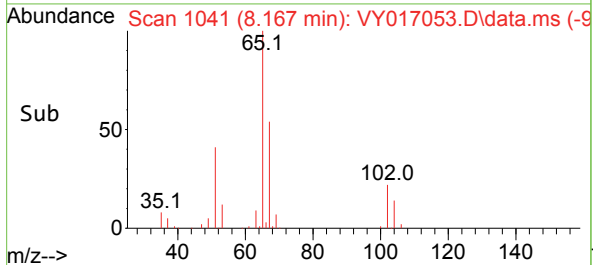
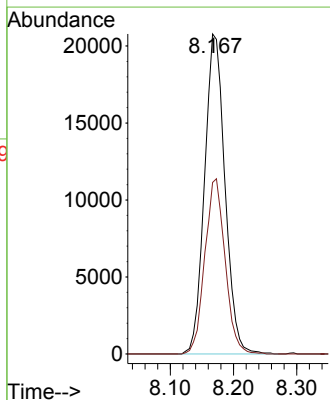
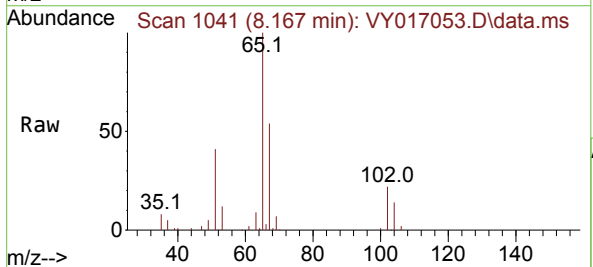
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-5-19.5-20.0

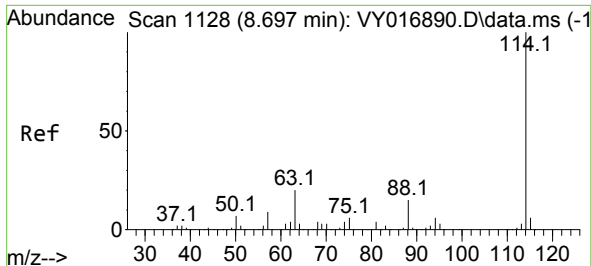
Tgt Ion: 56 Resp: 2337  
Ion Ratio Lower Upper  
56 100  
69 129.0 27.0 40.6#  
84 119.0 71.8 107.6#



#33  
1,2-Dichloroethane-d4  
Concen: 47.724 ug/l  
RT: 8.167 min Scan# 1041  
Delta R.T. 0.012 min  
Lab File: VY017053.D  
Acq: 19 Jan 2024 14:12

Tgt Ion: 65 Resp: 46708  
Ion Ratio Lower Upper  
65 100  
67 54.3 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.716 min Scan# 1128

Delta R.T. 0.013 min

Lab File: VY017053.D

Acq: 19 Jan 2024 14:12

Instrument :

MSVOA\_Y

ClientSampleId :

SB-5-19.5-20.0

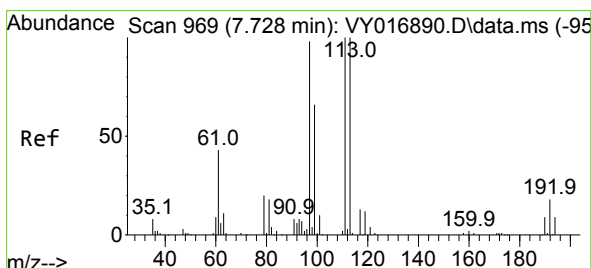
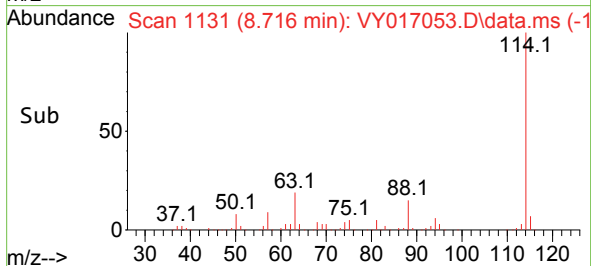
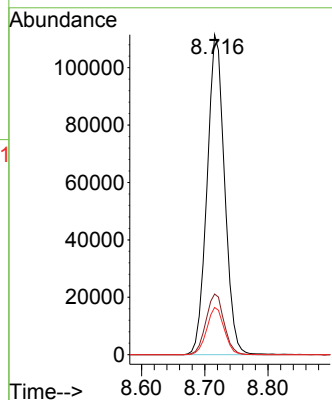
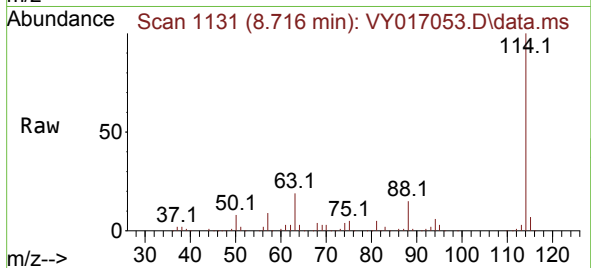
Tgt Ion:114 Resp: 215017

Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.4

88 14.8 0.0 29.0



#35

Dibromofluoromethane

Concen: 37.685 ug/l

RT: 7.746 min Scan# 972

Delta R.T. 0.018 min

Lab File: VY017053.D

Acq: 19 Jan 2024 14:12

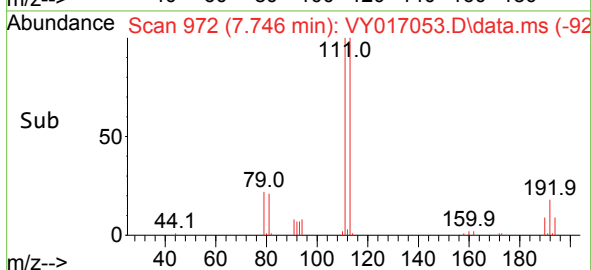
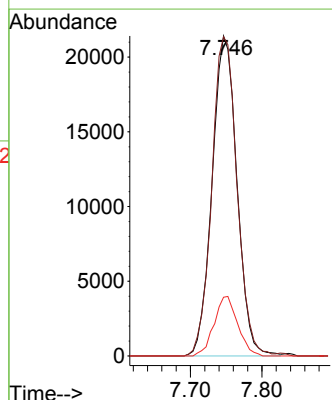
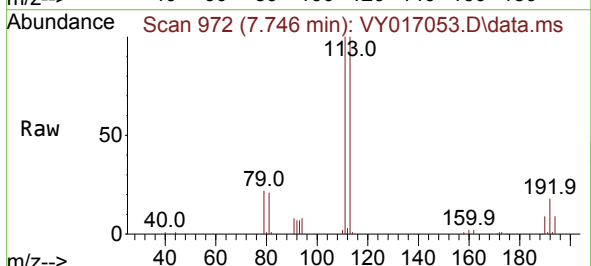
Tgt Ion:113 Resp: 51635

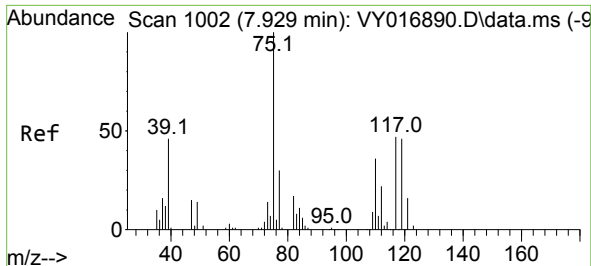
Ion Ratio Lower Upper

113 100

111 101.1 83.8 125.6

192 17.7 14.5 21.7

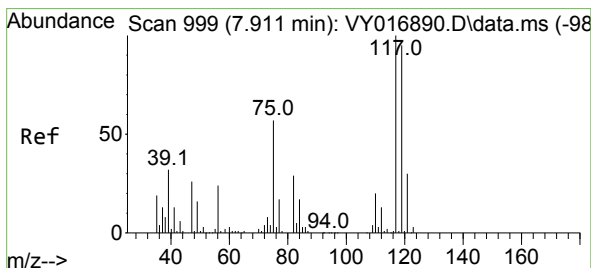
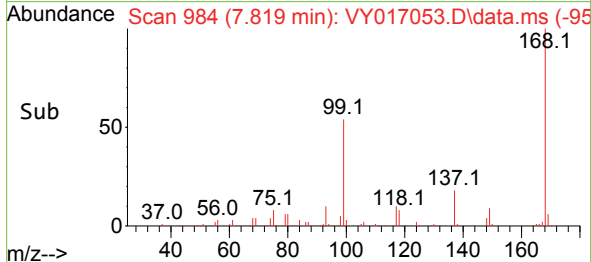
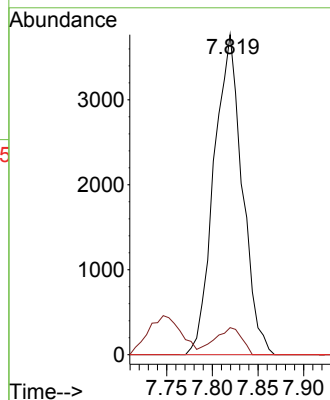
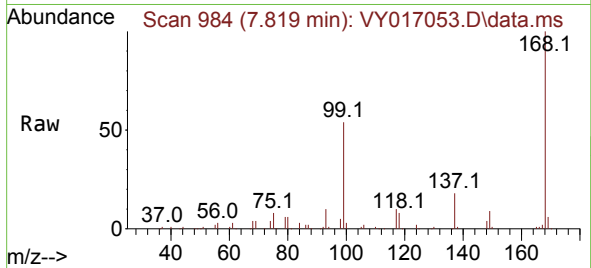




#36  
1,1-Dichloropropene  
Concen: 4.063 ug/l  
RT: 7.819 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY017053.D  
Acq: 19 Jan 2024 14:12

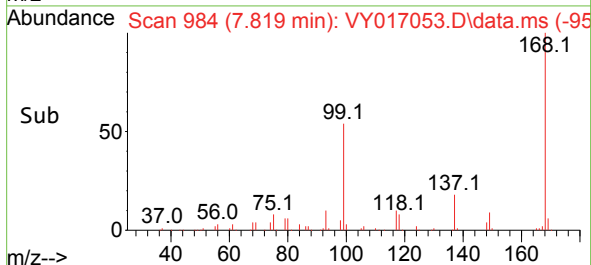
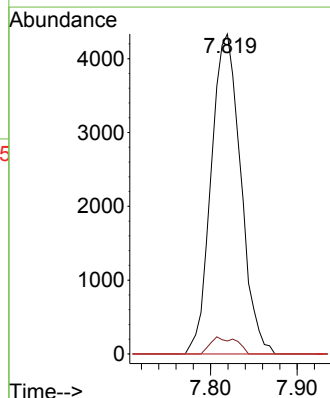
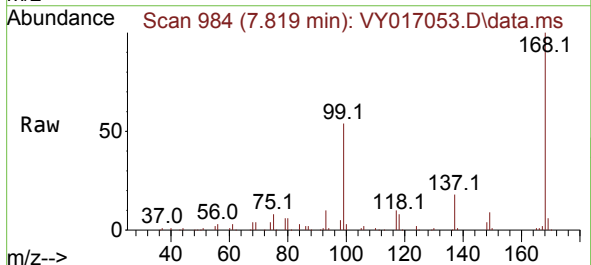
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-5-19.5-20.0

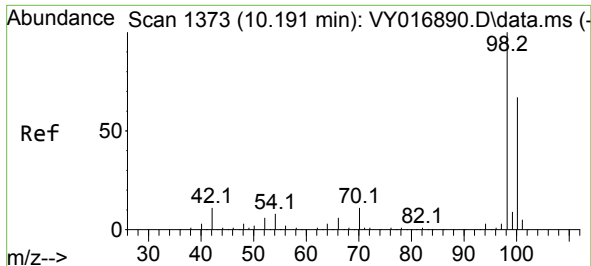
Tgt Ion: 75 Resp: 8114  
Ion Ratio Lower Upper  
75 100  
110 8.1 17.4 52.3#  
77 0.0 24.7 37.1#



#38  
Carbon Tetrachloride  
Concen: 5.053 ug/l  
RT: 7.819 min Scan# 984  
Delta R.T. -0.098 min  
Lab File: VY017053.D  
Acq: 19 Jan 2024 14:12

Tgt Ion: 117 Resp: 10251  
Ion Ratio Lower Upper  
117 100  
119 4.0 76.0 114.0#  
121 0.0 24.2 36.2#

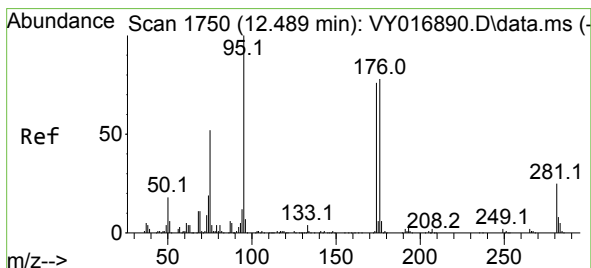
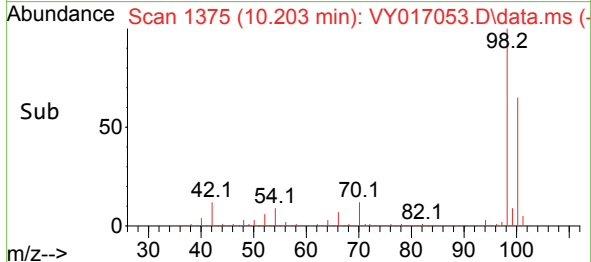
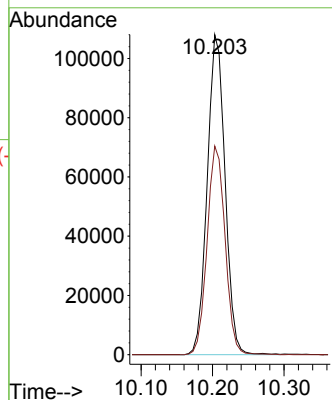
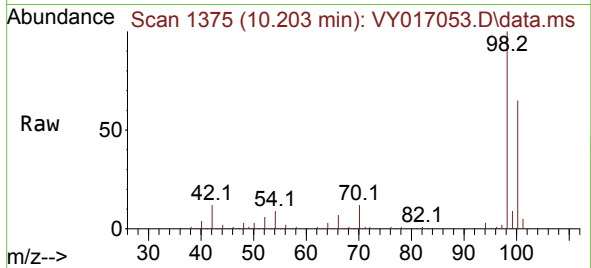




#50  
Toluene-d8  
Concen: 39.631 ug/l  
RT: 10.203 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VY017053.D  
Acq: 19 Jan 2024 14:12

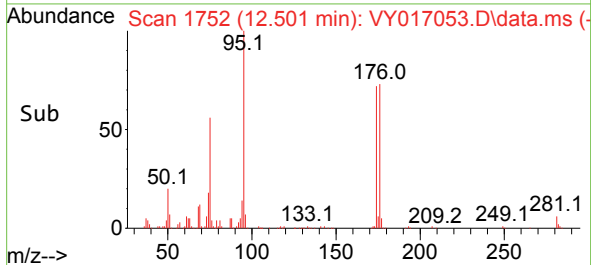
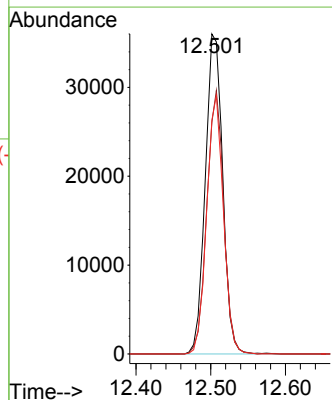
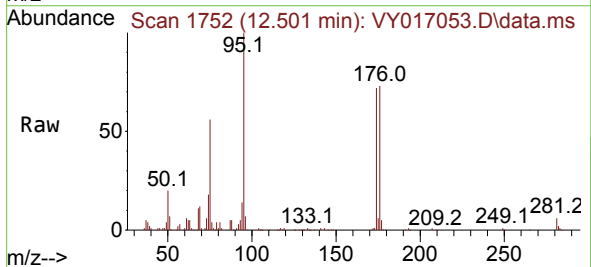
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-5-19.5-20.0

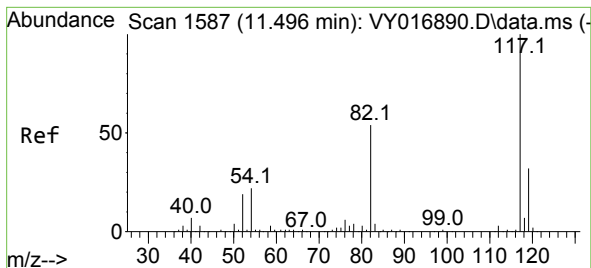
Tgt Ion: 98 Resp: 186989  
Ion Ratio Lower Upper  
98 100  
100 65.7 52.3 78.5



#62  
4-Bromofluorobenzene  
Concen: 36.535 ug/l  
RT: 12.501 min Scan# 1752  
Delta R.T. 0.012 min  
Lab File: VY017053.D  
Acq: 19 Jan 2024 14:12

Tgt Ion: 95 Resp: 58159  
Ion Ratio Lower Upper  
95 100  
174 80.0 0.0 160.0  
176 77.5 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.514 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY017053.D

Acq: 19 Jan 2024 14:12

Instrument :

MSVOA\_Y

ClientSampleId :

SB-5-19.5-20.0

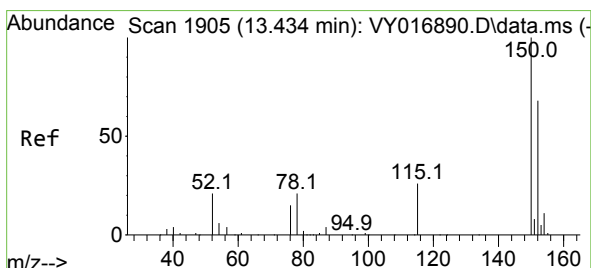
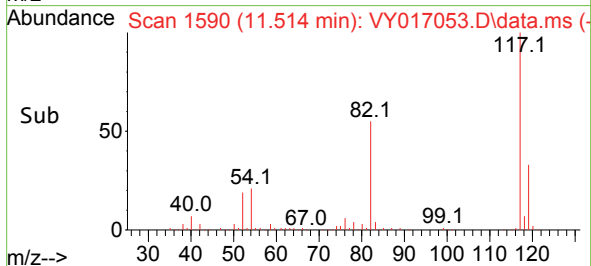
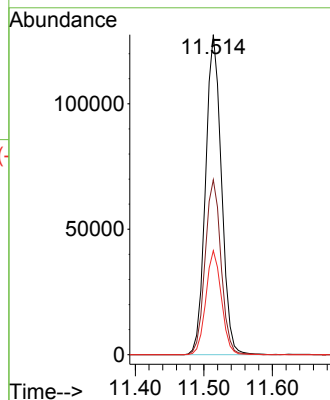
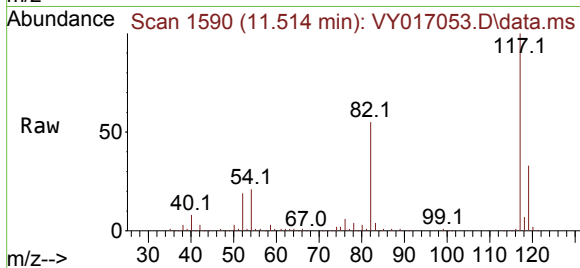
Tgt Ion:117 Resp: 205813

Ion Ratio Lower Upper

117 100

82 54.7 43.8 65.8

119 32.5 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. 0.012 min

Lab File: VY017053.D

Acq: 19 Jan 2024 14:12

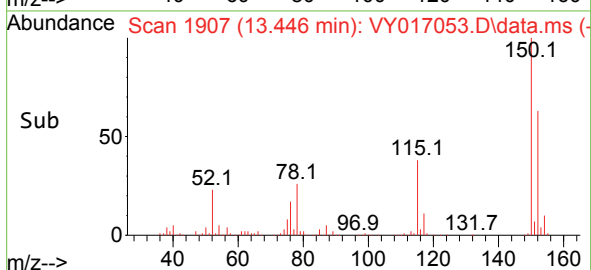
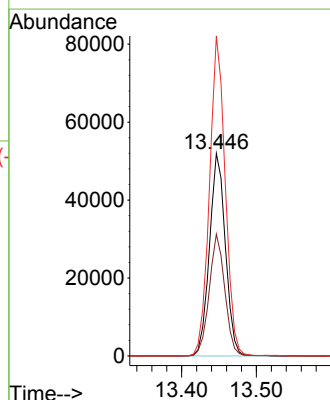
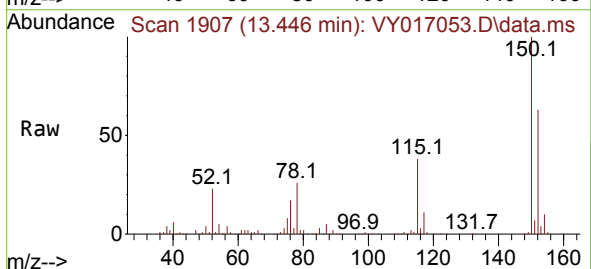
Tgt Ion:152 Resp: 76944

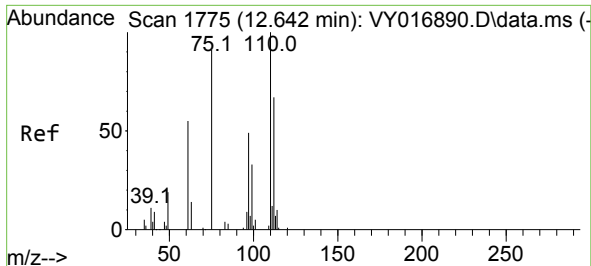
Ion Ratio Lower Upper

152 100

115 59.0 30.0 90.0

150 156.0 0.0 344.6

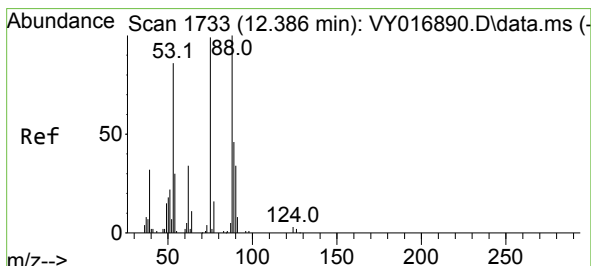
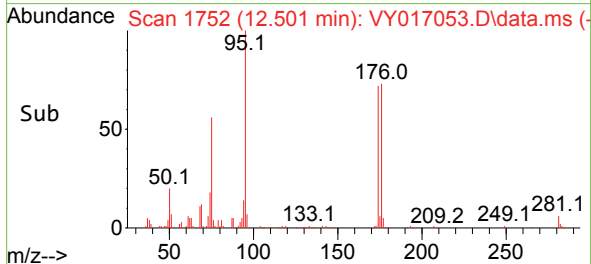
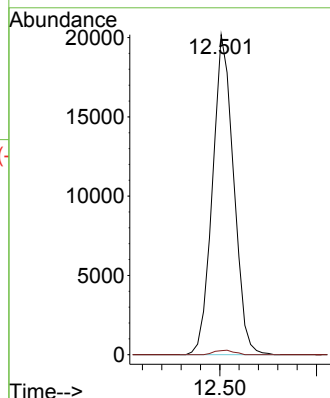
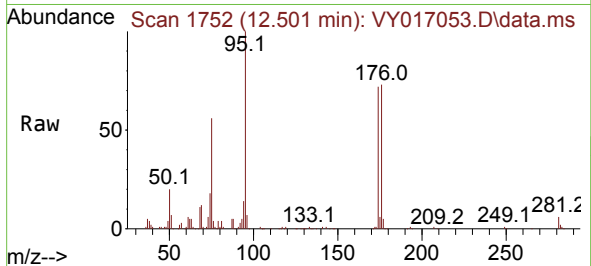




#76  
1,2,3-Trichloropropane  
Concen: 36.716 ug/l  
RT: 12.501 min Scan# 1752  
Delta R.T. -0.141 min  
Lab File: VY017053.D  
Acq: 19 Jan 2024 14:12

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-5-19.5-20.0

Tgt Ion: 75 Resp: 30657  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 83.372 ug/l  
RT: 12.501 min Scan# 1752  
Delta R.T. 0.116 min  
Lab File: VY017053.D  
Acq: 19 Jan 2024 14:12

Tgt Ion: 75 Resp: 30657  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.0 111.0#  
89 0.1 36.5 54.7#

