

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022924\  
 Data File : VY017537.D  
 Acq On : 29 Feb 2024 18:52  
 Operator : SY/MD  
 Sample : P1620-21  
 Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SP-3

Quant Time: Mar 01 00:34:20 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022324S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Feb 24 04:41:20 2024  
 Response via : Initial Calibration

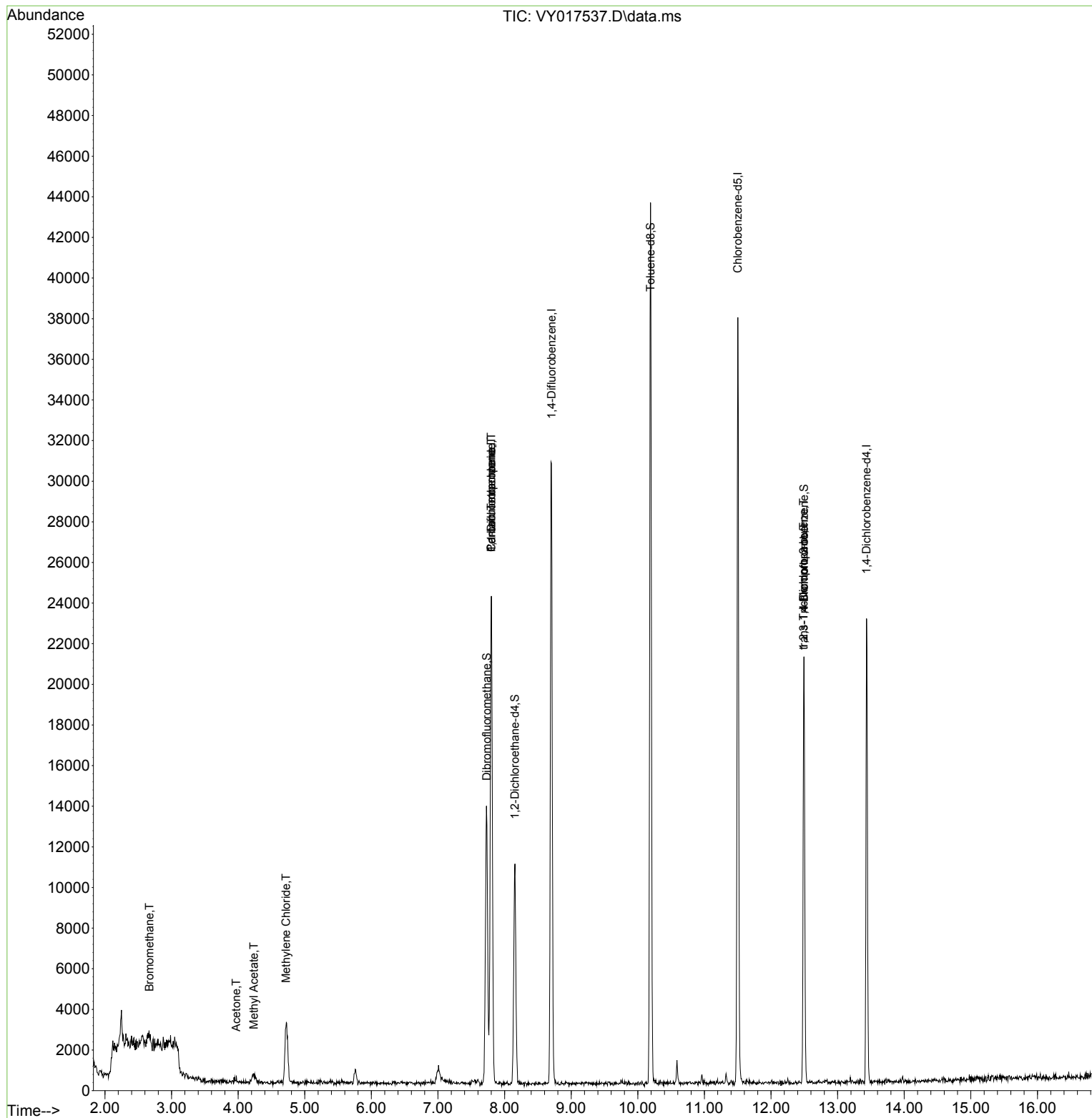
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.801  | 168   | 19695    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.703  | 114   | 27933    | 50.000   | ug/l   | 0.01     |
| 63) Chlorobenzene-d5          | 11.502 | 117   | 21602    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.434 | 152   | 6593     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.155  | 65    | 8027     | 43.004   | ug/l   | 0.01     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | =      | 86.000%  |
| 35) Dibromofluoromethane      | 7.734  | 113   | 9948     | 51.108   | ug/l   | 0.02     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | =      | 102.220% |
| 50) Toluene-d8                | 10.191 | 98    | 30730    | 45.154   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery | =      | 90.300%  |
| 62) 4-Bromofluorobenzene      | 12.495 | 95    | 6464     | 30.223   | ug/l   | 0.01     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery | =      | 60.440%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 5) Bromomethane               | 2.668  | 94    | 304      | 1.095    | ug/l   | 88       |
| 16) Acetone                   | 3.973  | 43    | 300      | 8.286    | ug/l   | 90       |
| 18) Methyl Acetate            | 4.235  | 43    | 188      | 2.140    | ug/l # | 46       |
| 20) Methylene Chloride        | 4.716  | 84    | 2554     | 7.333    | ug/l   | 93       |
| 36) 1,1-Dichloropropene       | 7.801  | 75    | 1427     | 5.434    | ug/l # | 43       |
| 38) Carbon Tetrachloride      | 7.801  | 117   | 1839     | 6.987    | ug/l # | 13       |
| 76) 1,2,3-Trichloropropane    | 12.489 | 75    | 3184     | 50.827   | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.489 | 75    | 3184     | 116.790  | ug/l # | 16       |
| -----                         |        |       |          |          |        |          |

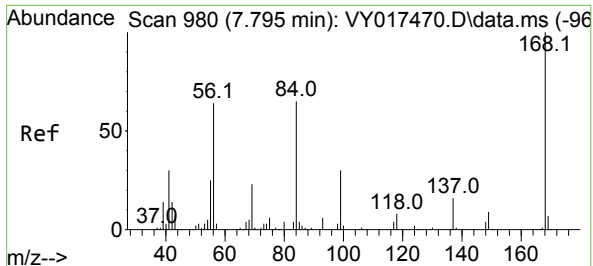
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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SP-3

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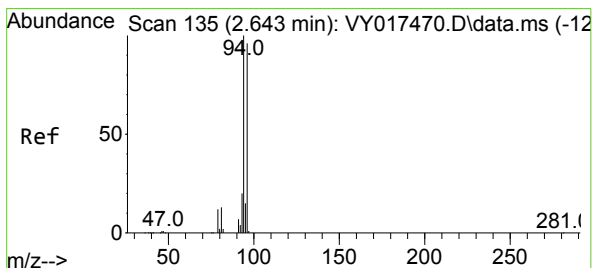
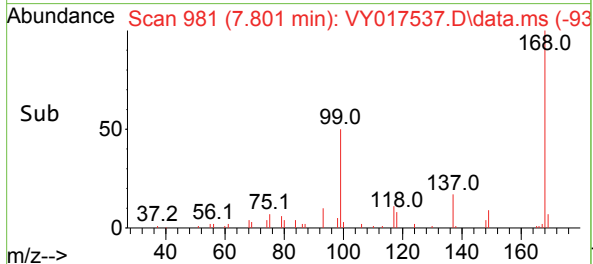
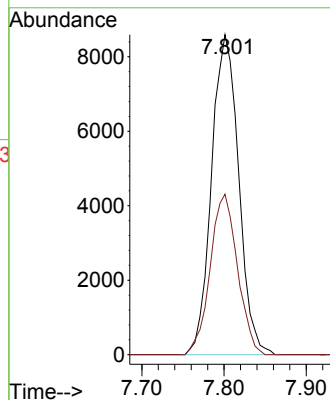
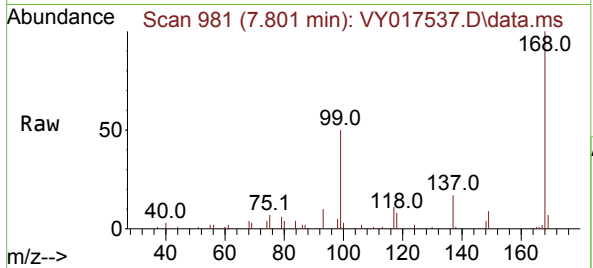




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 99  
Delta R.T. 0.006 min  
Lab File: VY017537.D  
Acq: 29 Feb 2024 18:52

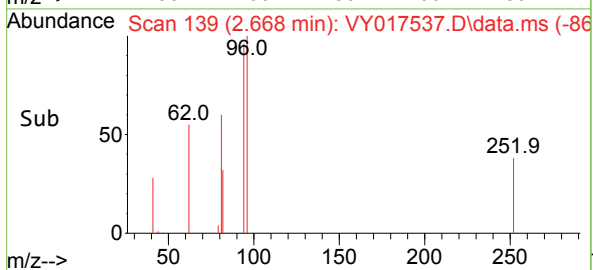
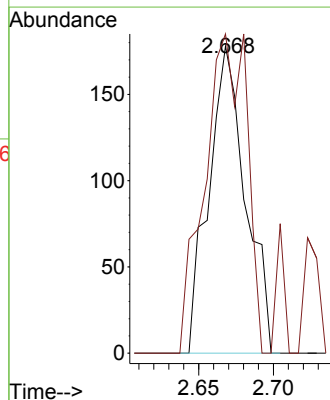
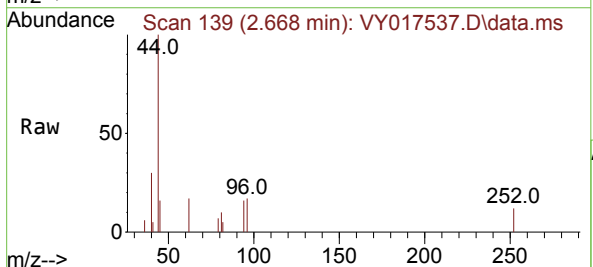
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SP-3

Tgt Ion:168 Resp: 19695  
Ion Ratio Lower Upper  
168 100  
99 50.1 39.1 58.7



#5  
Bromomethane  
Concen: 1.095 ug/l  
RT: 2.668 min Scan# 139  
Delta R.T. 0.025 min  
Lab File: VY017537.D  
Acq: 29 Feb 2024 18:52

Tgt Ion: 94 Resp: 304  
Ion Ratio Lower Upper  
94 100  
96 103.9 74.1 111.1





#16

Acetone

Concen: 8.286 ug/l

RT: 3.973 min Scan# 31

Delta R.T. 0.031 min

Lab File: VY017537.D

Acq: 29 Feb 2024 18:52

Instrument :

MSVOA\_Y

ClientSampleId :

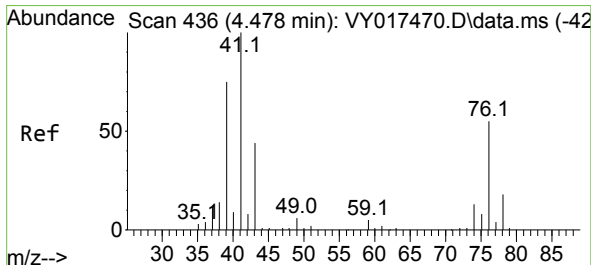
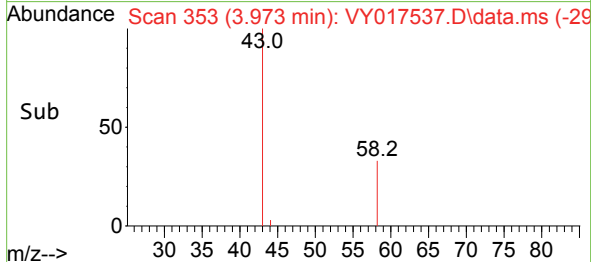
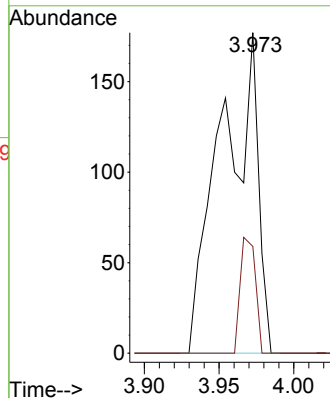
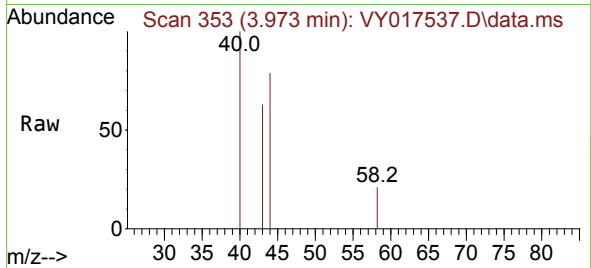
SP-3

Tgt Ion: 43 Resp: 300

Ion Ratio Lower Upper

43 100

58 33.3 31.7 47.5



#18

Methyl Acetate

Concen: 2.140 ug/l

RT: 4.235 min Scan# 396

Delta R.T. -0.244 min

Lab File: VY017537.D

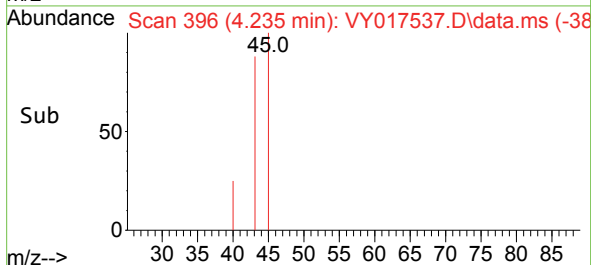
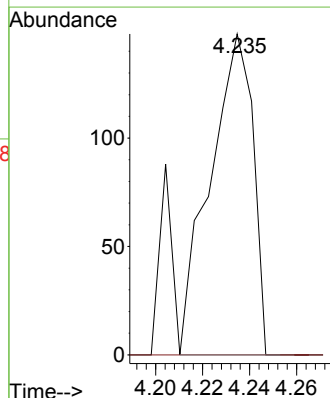
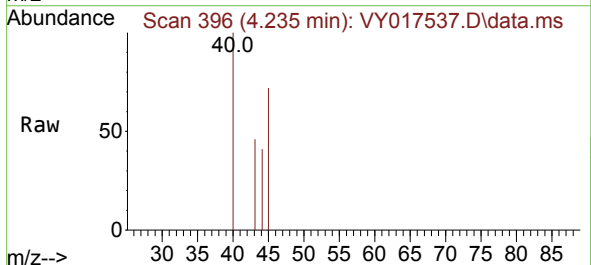
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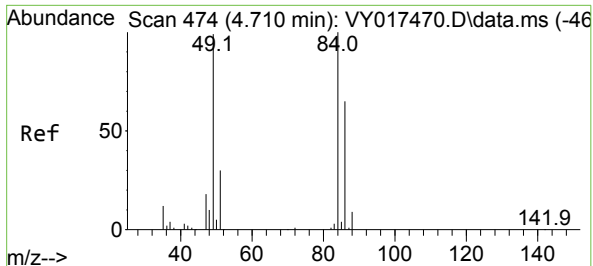
Tgt Ion: 43 Resp: 188

Ion Ratio Lower Upper

43 100

74 0.0 23.3 34.9#

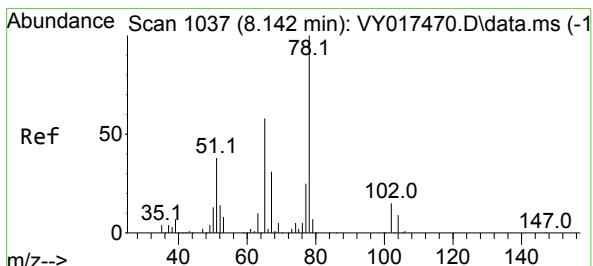
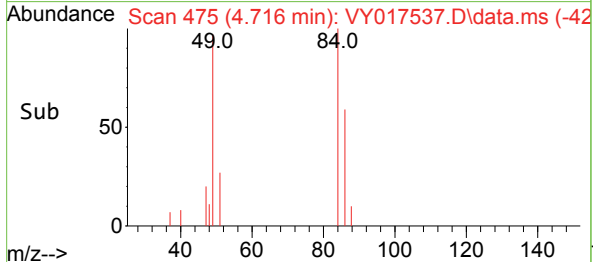
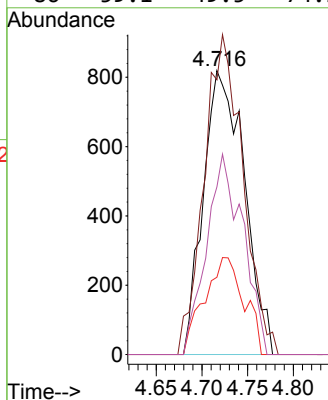
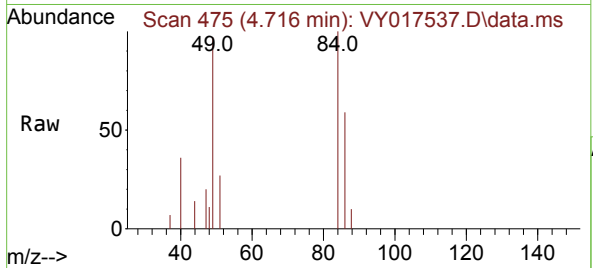




#20  
Methylene Chloride  
Concen: 7.333 ug/l  
RT: 4.716 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VY017537.D  
Acq: 29 Feb 2024 18:52

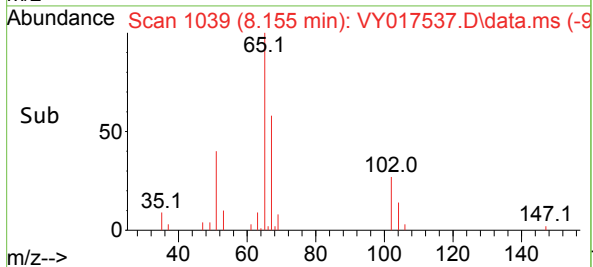
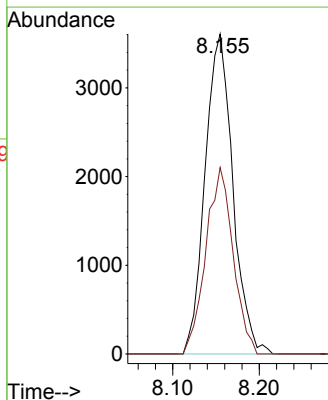
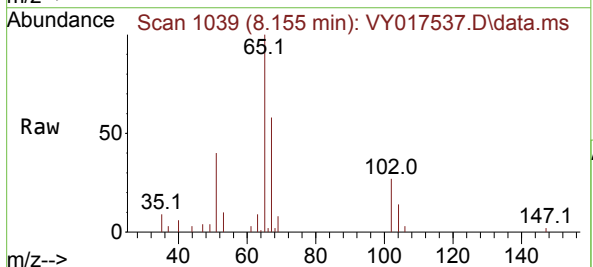
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SP-3

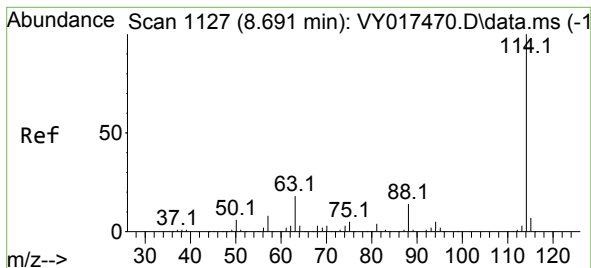
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 2554  |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 96.8     | 84.4 126.6  |
| 51 27.2     | 26.0 39.0   |
| 86 59.1     | 49.5 74.3   |



#33  
1,2-Dichloroethane-d4  
Concen: 43.004 ug/l  
RT: 8.155 min Scan# 1039  
Delta R.T. 0.012 min  
Lab File: VY017537.D  
Acq: 29 Feb 2024 18:52

|             |             |
|-------------|-------------|
| Tgt Ion: 65 | Resp: 8027  |
| Ion Ratio   | Lower Upper |
| 65 100      |             |
| 67 57.2     | 0.0 109.6   |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1127

Delta R.T. 0.012 min

Lab File: VY017537.D

Acq: 29 Feb 2024 18:52

Instrument :

MSVOA\_Y

ClientSampleId :

SP-3

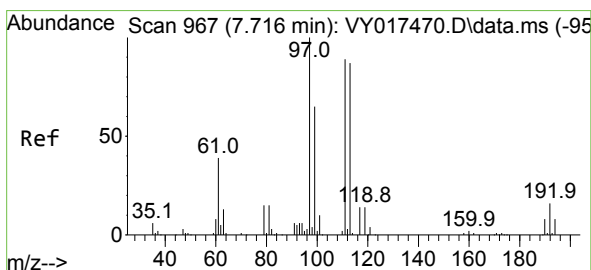
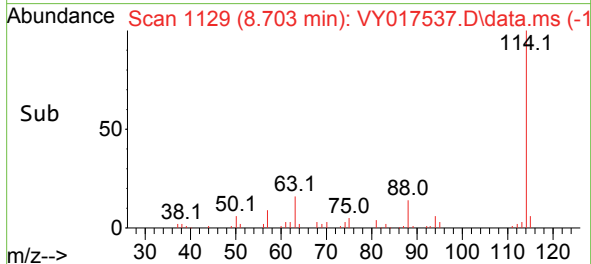
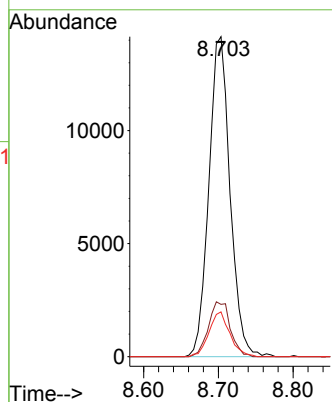
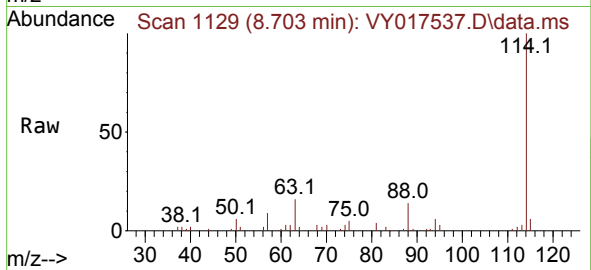
Tgt Ion:114 Resp: 27933

Ion Ratio Lower Upper

114 100

63 16.3 0.0 35.0

88 14.0 0.0 27.2



#35

Dibromofluoromethane

Concen: 51.108 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.018 min

Lab File: VY017537.D

Acq: 29 Feb 2024 18:52

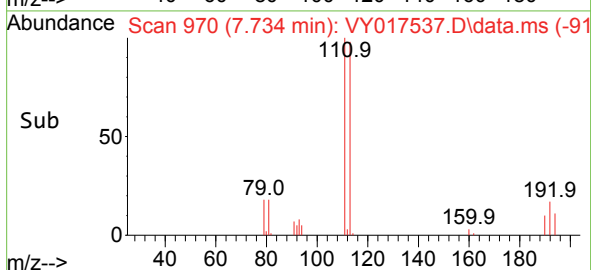
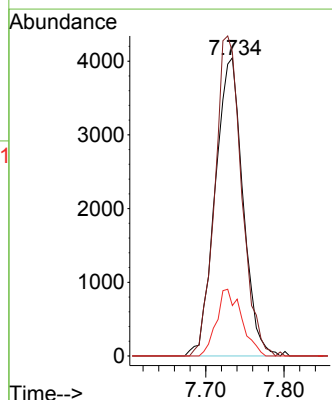
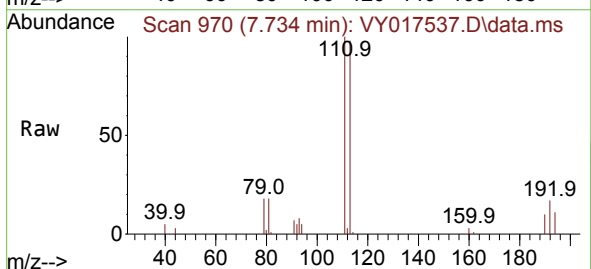
Tgt Ion:113 Resp: 9948

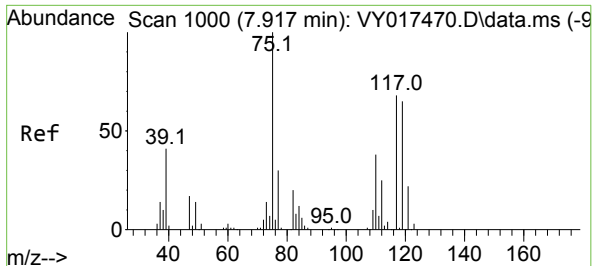
Ion Ratio Lower Upper

113 100

111 103.5 82.2 123.4

192 20.3 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.434 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.116 min

Lab File: VY017537.D

Acq: 29 Feb 2024 18:52

Instrument :

MSVOA\_Y

ClientSampleId :

SP-3

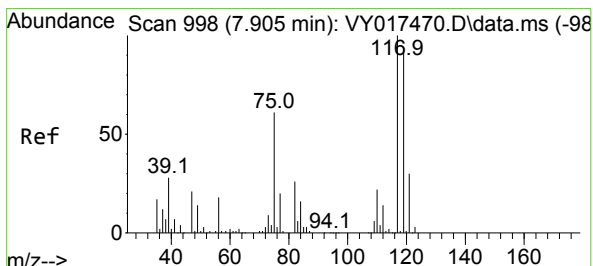
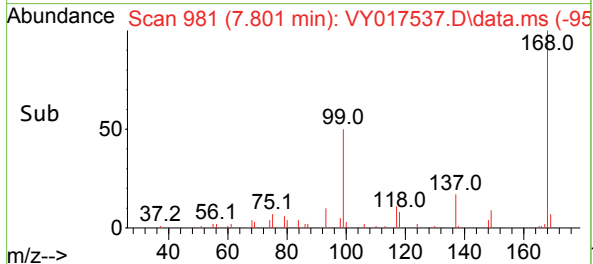
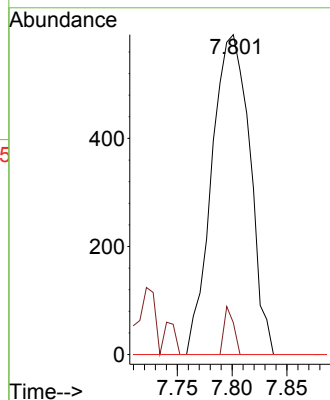
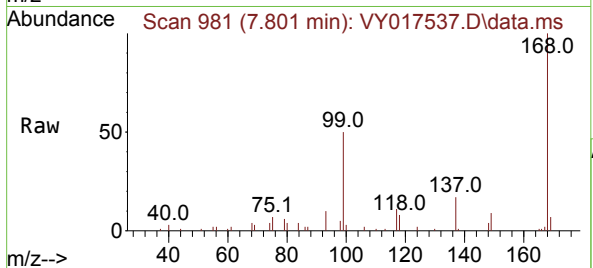
Tgt Ion: 75 Resp: 1427

Ion Ratio Lower Upper

75 100

110 3.8 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.987 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.103 min

Lab File: VY017537.D

Acq: 29 Feb 2024 18:52

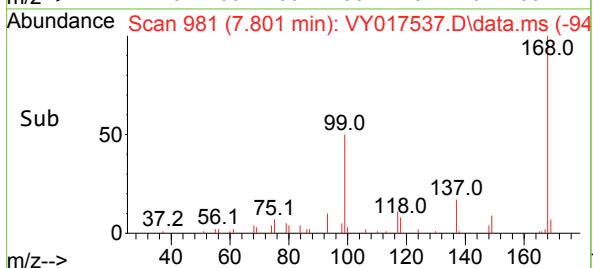
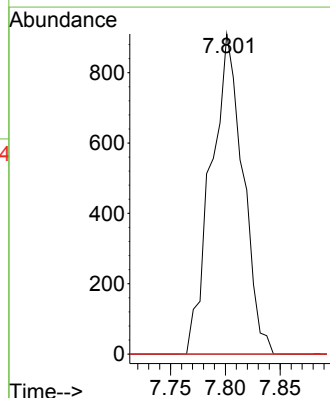
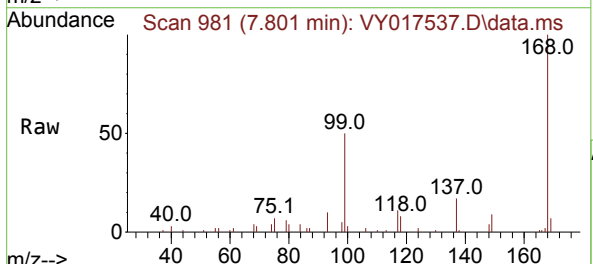
Tgt Ion: 117 Resp: 1839

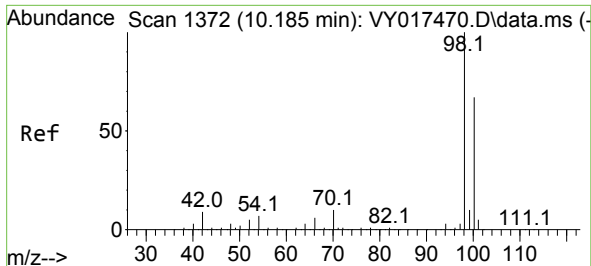
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 24.0 36.0#

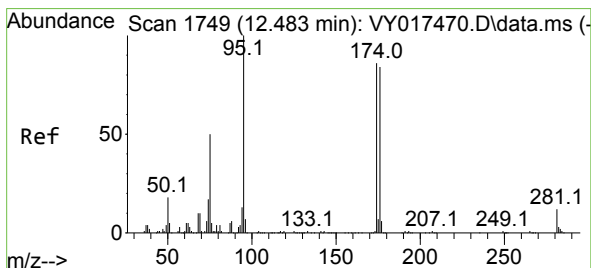
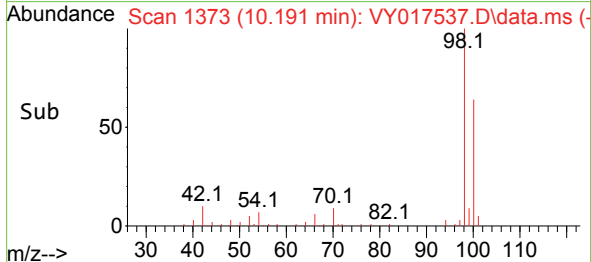
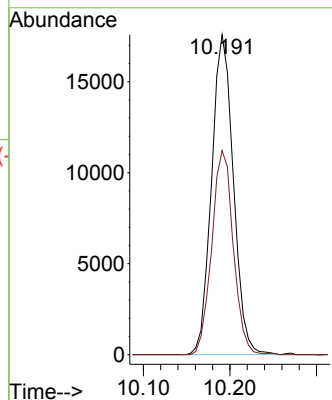
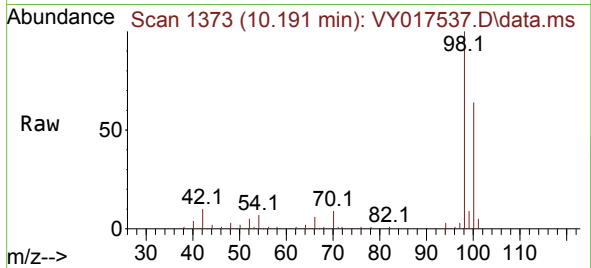




#50  
Toluene-d8  
Concen: 45.154 ug/l  
RT: 10.191 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY017537.D  
Acq: 29 Feb 2024 18:52

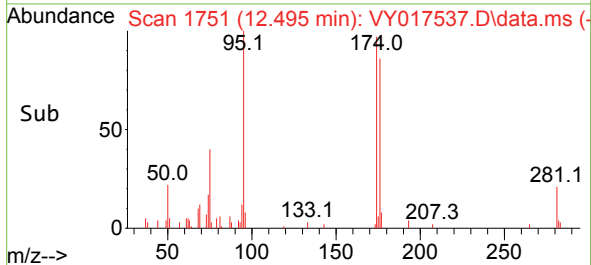
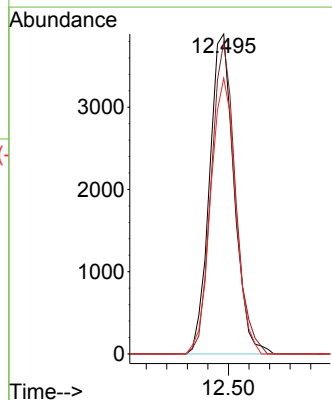
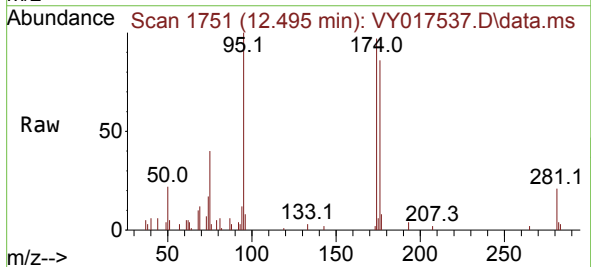
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SP-3

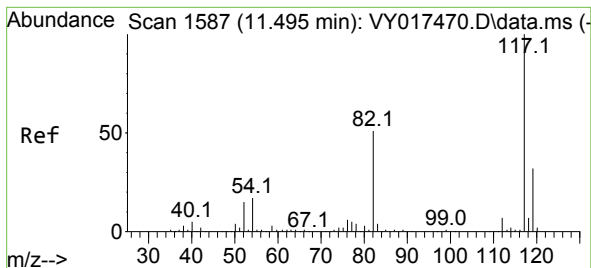
Tgt Ion: 98 Resp: 30730  
Ion Ratio Lower Upper  
98 100  
100 63.1 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 30.223 ug/l  
RT: 12.495 min Scan# 1751  
Delta R.T. 0.012 min  
Lab File: VY017537.D  
Acq: 29 Feb 2024 18:52

Tgt Ion: 95 Resp: 6464  
Ion Ratio Lower Upper  
95 100  
174 95.9 0.0 175.6  
176 87.7 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017537.D

Acq: 29 Feb 2024 18:52

Instrument :

MSVOA\_Y

ClientSampleId :

SP-3

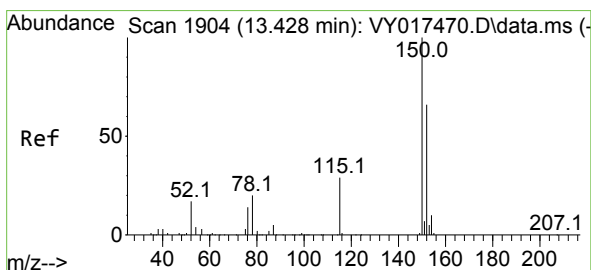
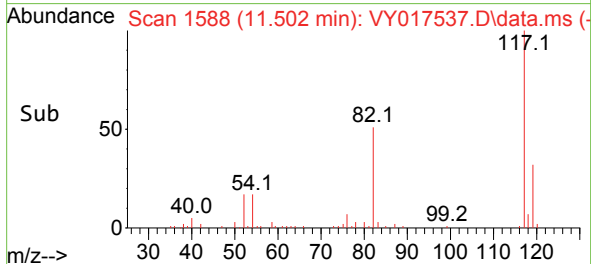
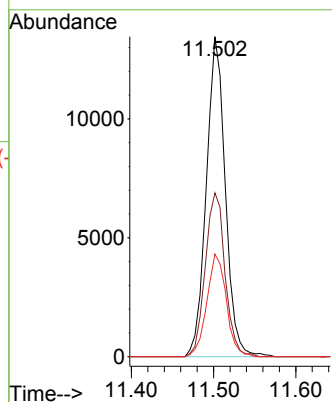
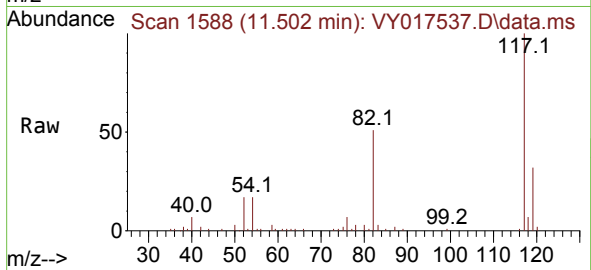
Tgt Ion:117 Resp: 21602

Ion Ratio Lower Upper

117 100

82 51.2 42.4 63.6

119 32.0 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY017537.D

Acq: 29 Feb 2024 18:52

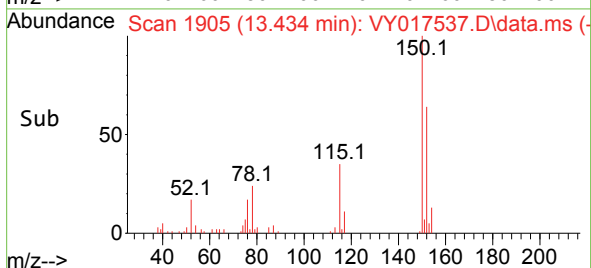
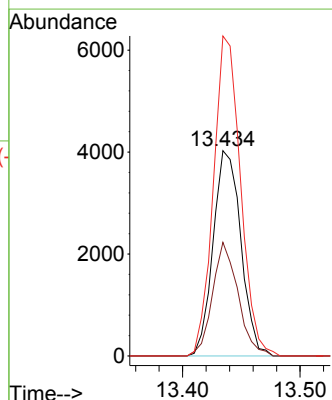
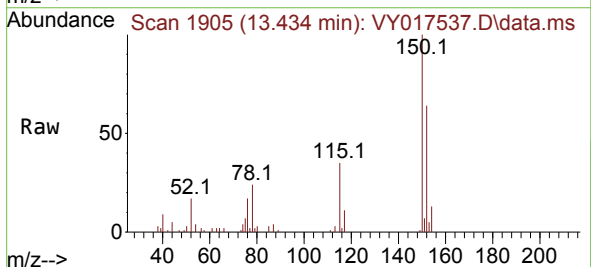
Tgt Ion:152 Resp: 6593

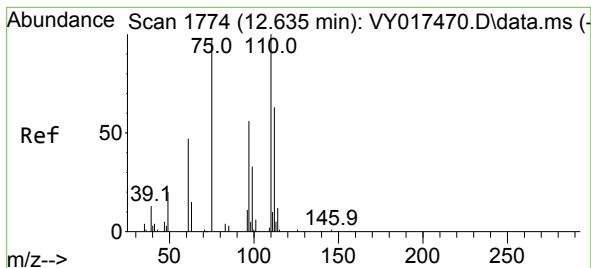
Ion Ratio Lower Upper

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115 51.1 28.2 84.7

150 152.6 0.0 345.6

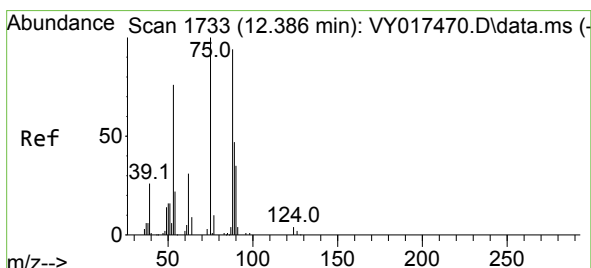
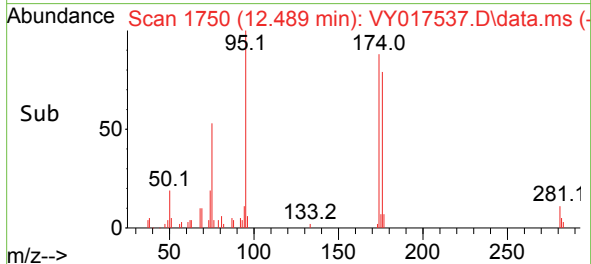
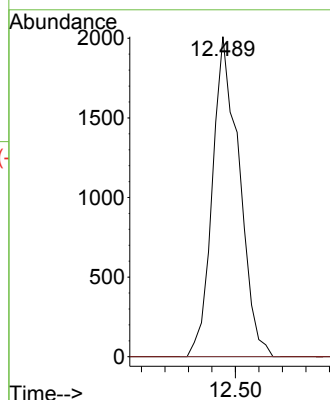
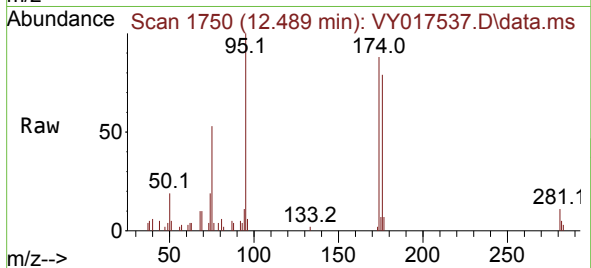




#76  
1,2,3-Trichloropropane  
Concen: 50.827 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.146 min  
Lab File: VY017537.D  
Acq: 29 Feb 2024 18:52

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SP-3

Tgt Ion: 75 Resp: 3184  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0



#81  
trans-1,4-Dichloro-2-butene  
Concen: 116.790 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.104 min  
Lab File: VY017537.D  
Acq: 29 Feb 2024 18:52

Tgt Ion: 75 Resp: 3184  
Ion Ratio Lower Upper  
75 100  
53 0.0 66.8 100.2#  
89 0.0 35.8 53.6#

