

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020724\  
 Data File : VY017287.D  
 Acq On : 07 Feb 2024 14:26  
 Operator : SY/MD  
 Sample : P1364-03RE  
 Misc : 5.45g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 COMP-3

Quant Time: Feb 08 01:42:48 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020124S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 02 00:56:04 2024  
 Response via : Initial Calibration

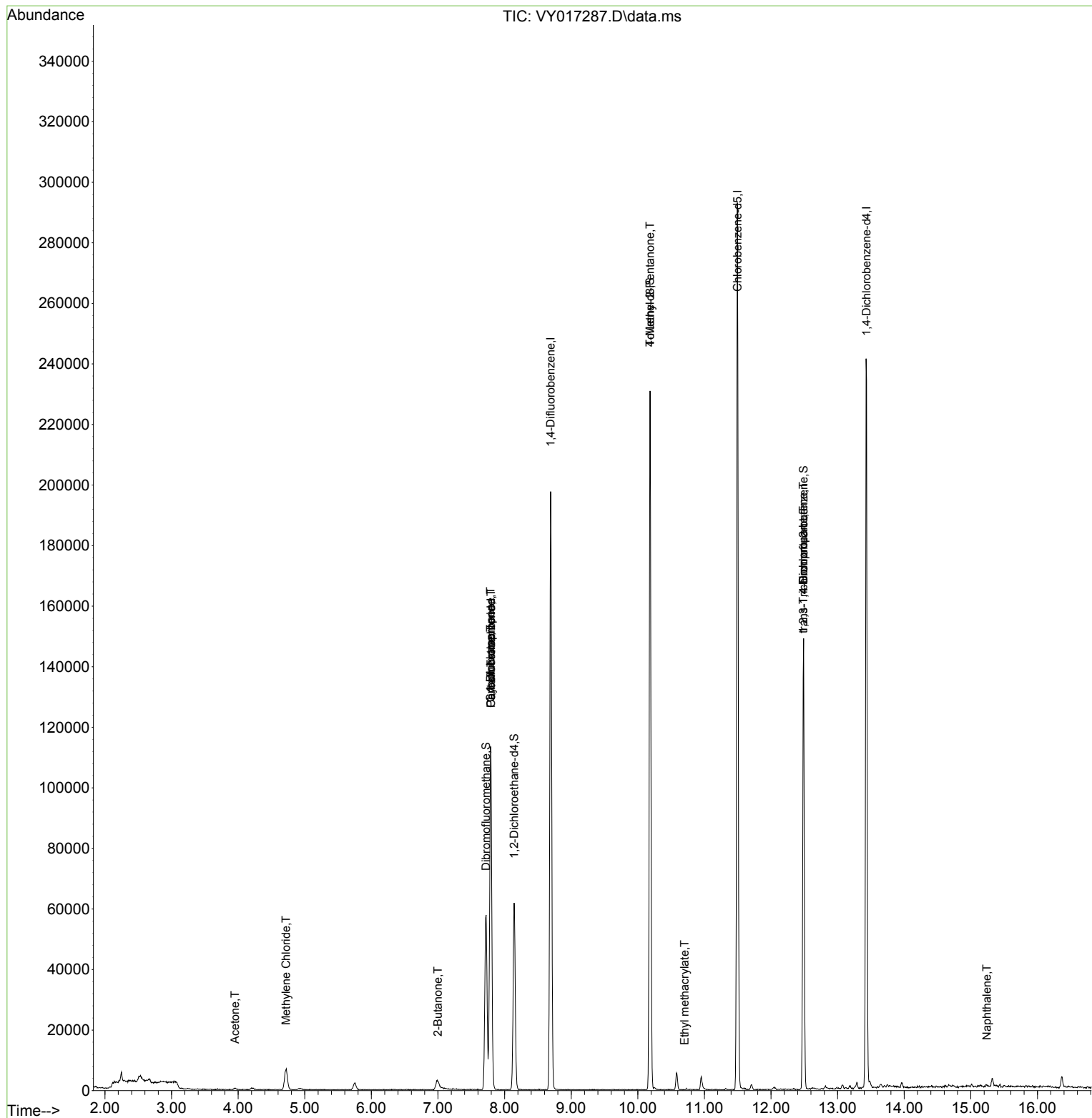
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.795  | 168   | 82567    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 163010   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.496 | 117   | 146958   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.434 | 152   | 57211    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.142  | 65    | 46456    | 62.982    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 125.960% |          |
| 35) Dibromofluoromethane      | 7.722  | 113   | 41750    | 47.435    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 94.880%  |          |
| 50) Toluene-d8                | 10.185 | 98    | 145167   | 45.300    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 90.600%  |          |
| 62) 4-Bromofluorobenzene      | 12.489 | 95    | 43385    | 41.329    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 82.660%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.936  | 59    | 192      | Below Cal | #          | 75       |
| 16) Acetone                   | 3.954  | 43    | 908      | 4.188     | ug/l       | 95       |
| 20) Methylene Chloride        | 4.716  | 84    | 4991     | 2.277     | ug/l #     | 85       |
| 25) 2-Butanone                | 6.996  | 43    | 566      | 1.964     | ug/l #     | 48       |
| 31) Cyclohexane               | 7.789  | 56    | 2144     | 1.442     | ug/l #     | 16       |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 7735     | 5.095     | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 7.795  | 117   | 8956     | 6.161     | ug/l #     | 18       |
| 51) 4-Methyl-2-Pentanone      | 10.185 | 43    | 718      | 1.075     | ug/l #     | 1        |
| 56) Ethyl methacrylate        | 10.703 | 69    | 21       | 3.023     | ug/l #     | 27       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 24564    | 46.518    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 24564    | 96.659    | ug/l #     | 12       |
| 95) Naphthalene               | 15.239 | 128   | 754      | 3.888     | ug/l #     | 80       |
| -----                         |        |       |          |           |            |          |

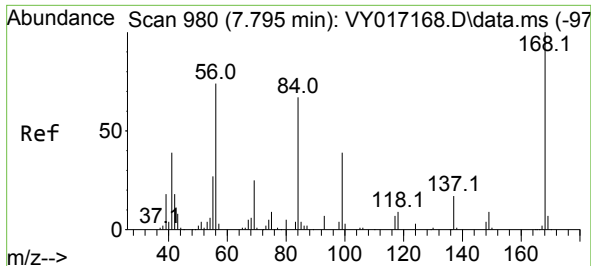
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : P1364-03RE  
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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020124S.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 02 00:56:04 2024  
Response via : Initial Calibration

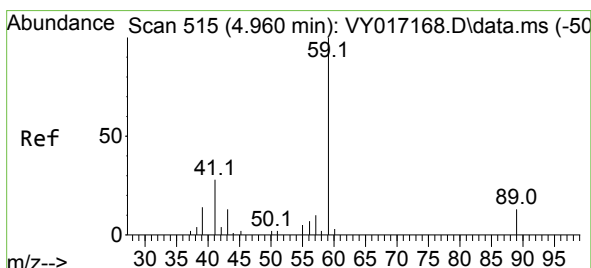
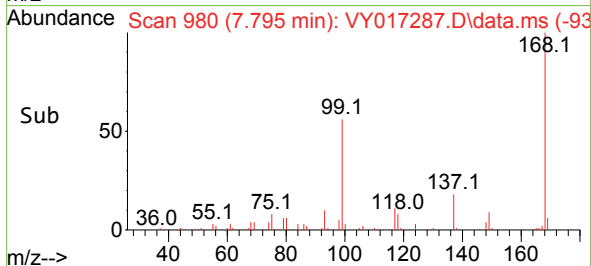
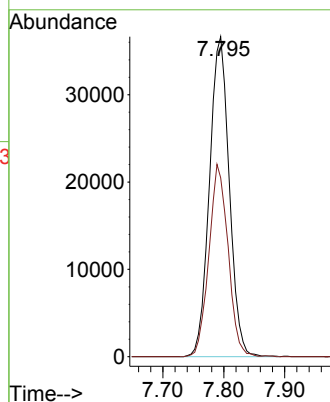
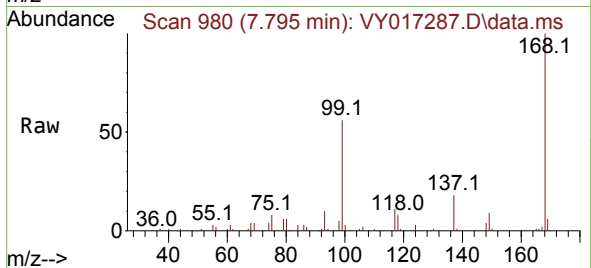




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY017287.D  
Acq: 07 Feb 2024 14:26

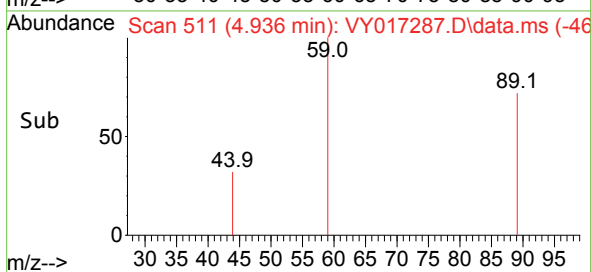
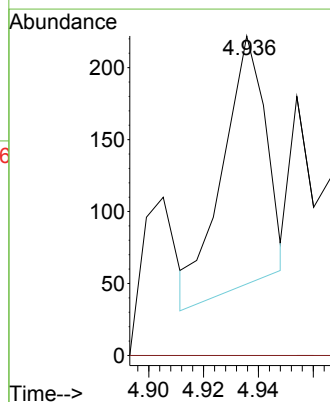
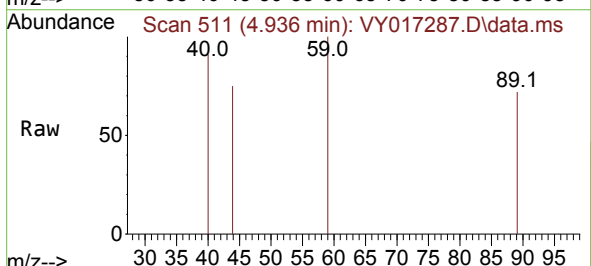
Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-3

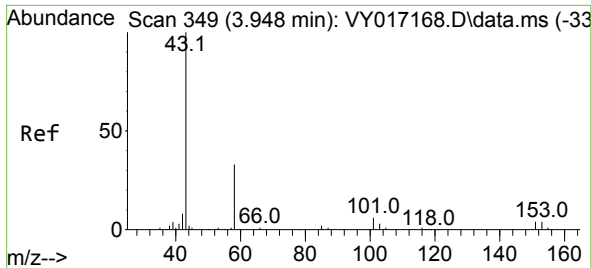
Tgt Ion:168 Resp: 82567  
Ion Ratio Lower Upper  
168 100  
99 55.9 44.2 66.4



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.936 min Scan# 511  
Delta R.T. -0.024 min  
Lab File: VY017287.D  
Acq: 07 Feb 2024 14:26

Tgt Ion: 59 Resp: 192  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.0#





#16

Acetone

Concen: 4.188 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY017287.D

Acq: 07 Feb 2024 14:26

Instrument :

MSVOA\_Y

ClientSampleId :

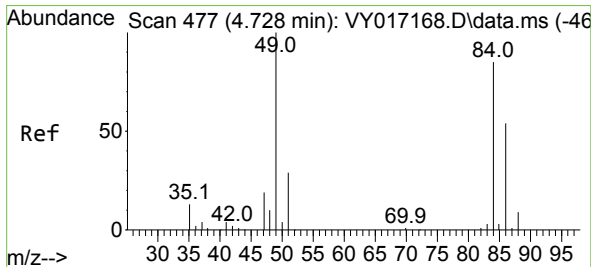
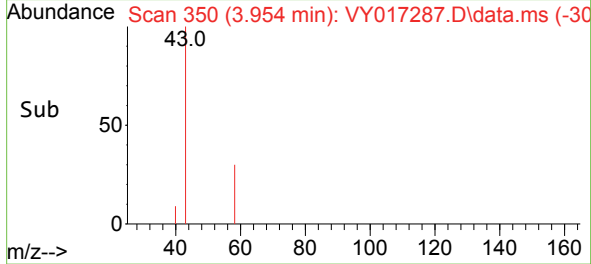
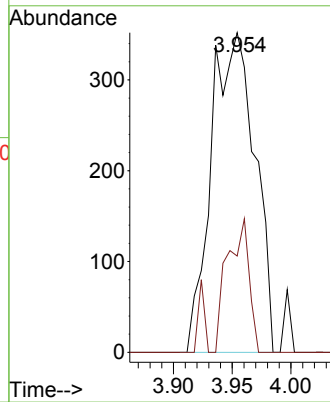
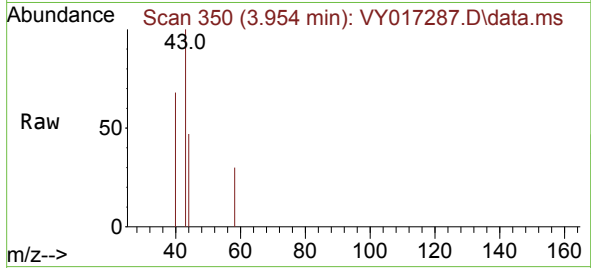
COMP-3

Tgt Ion: 43 Resp: 908

Ion Ratio Lower Upper

43 100

58 30.1 26.6 39.8



#20

Methylene Chloride

Concen: 2.277 ug/l

RT: 4.716 min Scan# 475

Delta R.T. -0.012 min

Lab File: VY017287.D

Acq: 07 Feb 2024 14:26

Tgt Ion: 84 Resp: 4991

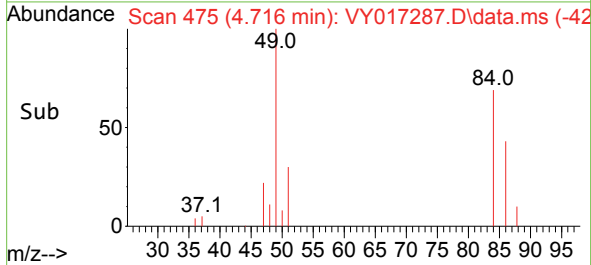
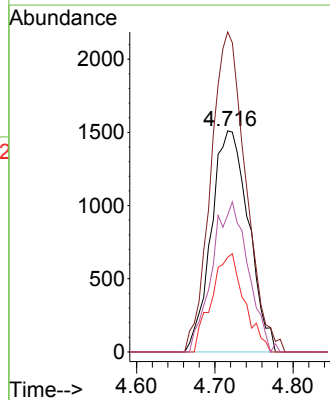
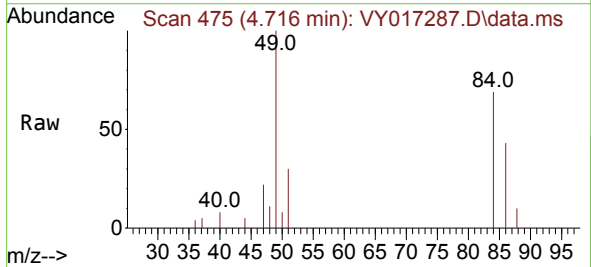
Ion Ratio Lower Upper

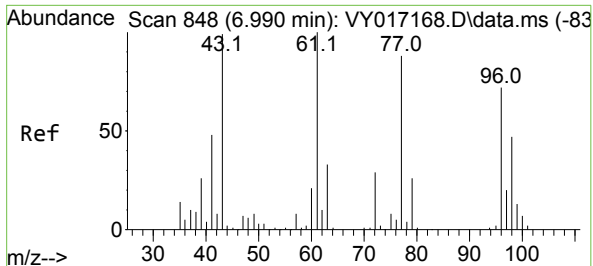
84 100

49 144.8 95.2 142.8#

51 42.8 29.9 44.9

86 62.0 52.2 78.4





#25

2-Butanone

Concen: 1.964 ug/l

RT: 6.996 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY017287.D

Acq: 07 Feb 2024 14:26

Instrument :

MSVOA\_Y

ClientSampleId :

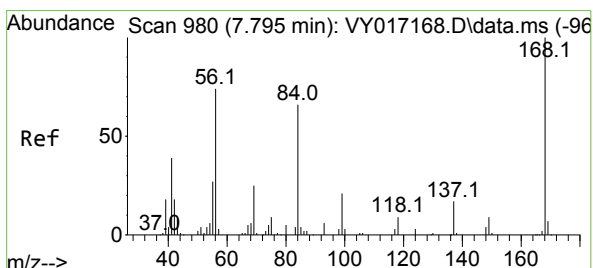
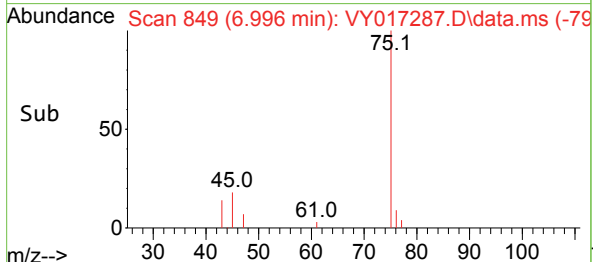
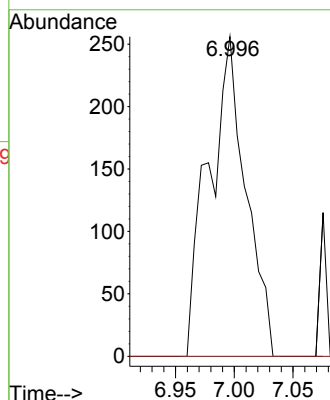
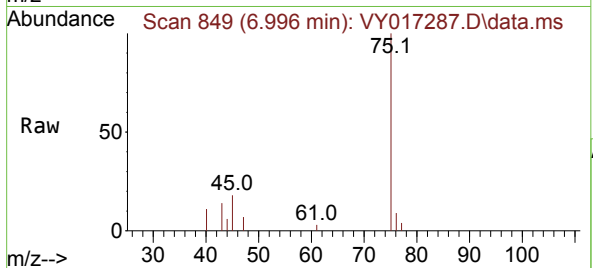
COMP-3

Tgt Ion: 43 Resp: 566

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#



#31

Cyclohexane

Concen: 1.442 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.006 min

Lab File: VY017287.D

Acq: 07 Feb 2024 14:26

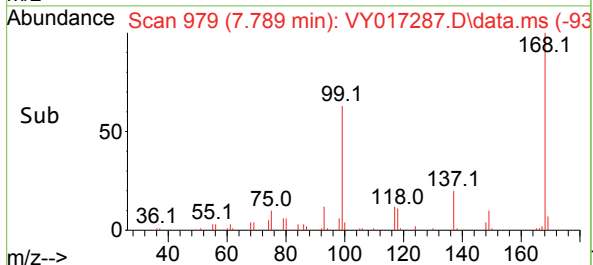
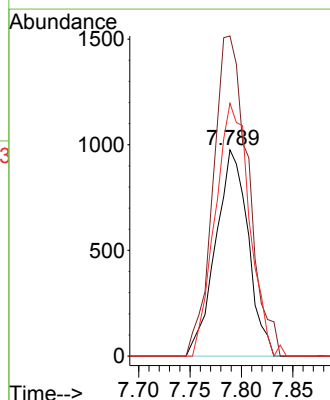
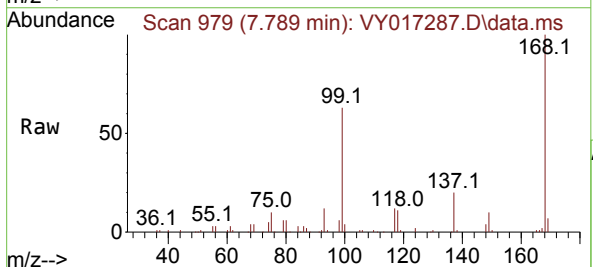
Tgt Ion: 56 Resp: 2144

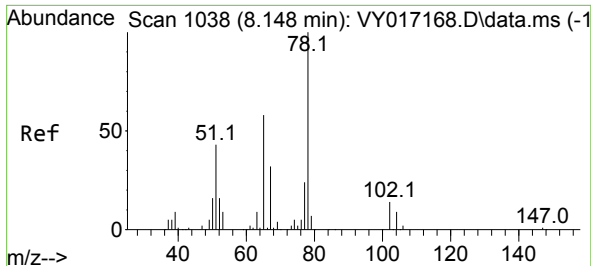
Ion Ratio Lower Upper

56 100

69 155.2 27.0 40.6#

84 122.5 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 62.982 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VY017287.D

Acq: 07 Feb 2024 14:26

Instrument :

MSVOA\_Y

ClientSampleId :

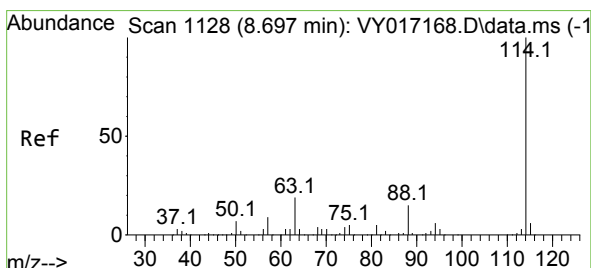
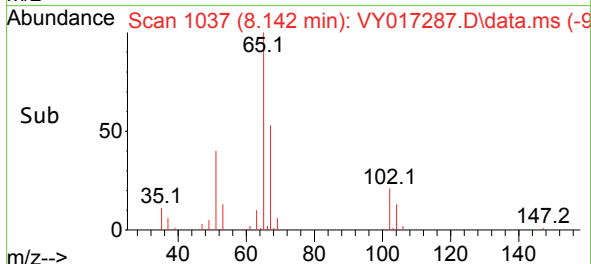
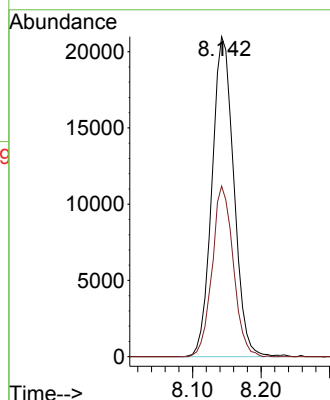
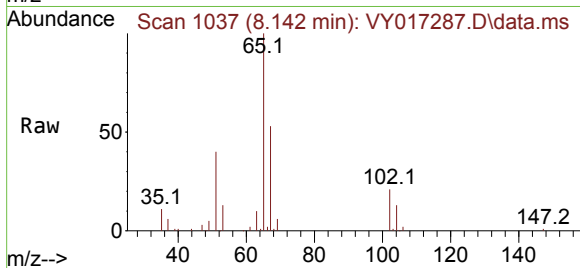
COMP-3

Tgt Ion: 65 Resp: 46456

Ion Ratio Lower Upper

65 100

67 51.5 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY017287.D

Acq: 07 Feb 2024 14:26

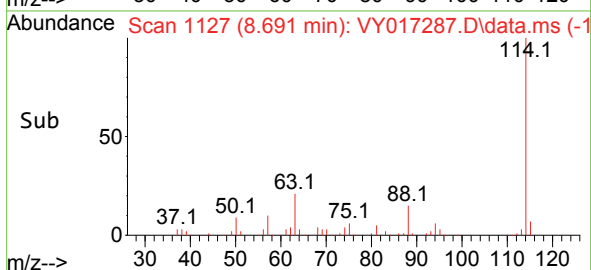
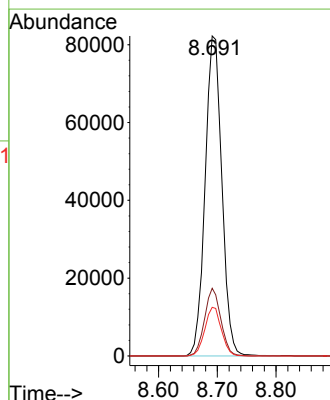
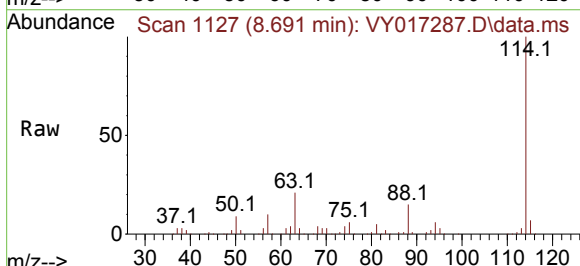
Tgt Ion: 114 Resp: 163010

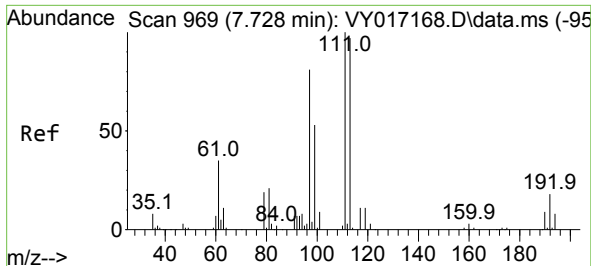
Ion Ratio Lower Upper

114 100

63 21.2 0.0 37.4

88 15.2 0.0 29.0

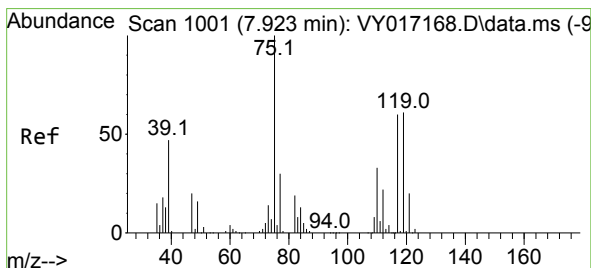
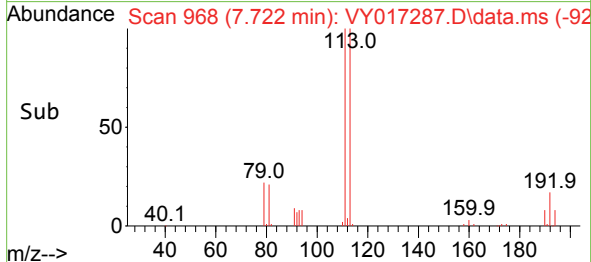
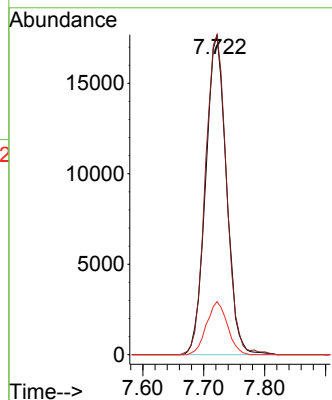
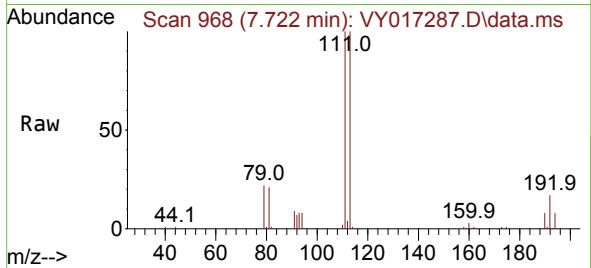




#35  
Dibromofluoromethane  
Concen: 47.435 ug/l  
RT: 7.722 min Scan# 910  
Delta R.T. -0.006 min  
Lab File: VY017287.D  
Acq: 07 Feb 2024 14:26

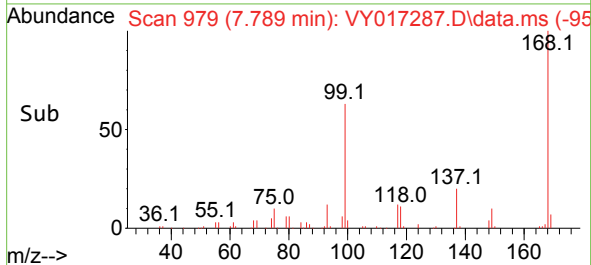
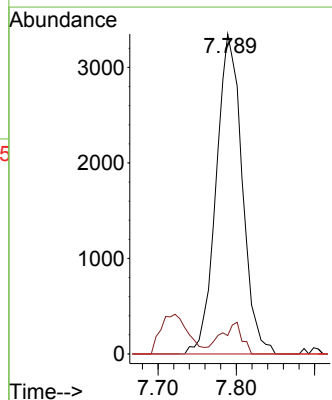
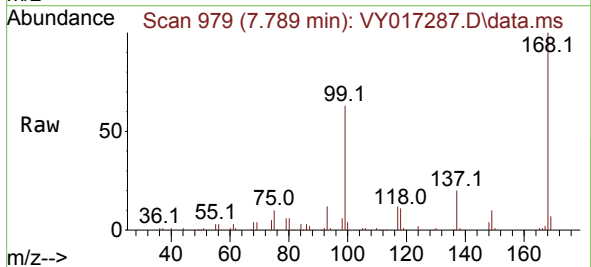
Instrument :  
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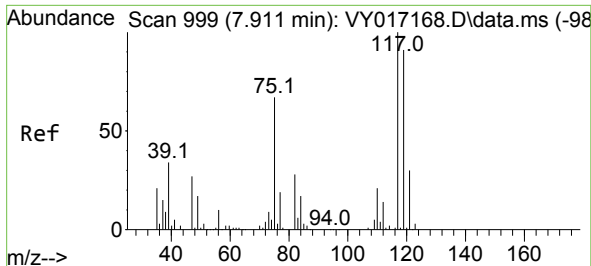
Tgt Ion:113 Resp: 41750  
Ion Ratio Lower Upper  
113 100  
111 102.0 83.8 125.6  
192 16.7 14.5 21.7



#36  
1,1-Dichloropropene  
Concen: 5.095 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.134 min  
Lab File: VY017287.D  
Acq: 07 Feb 2024 14:26

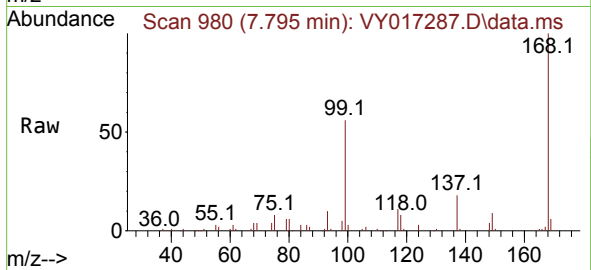
Tgt Ion: 75 Resp: 7735  
Ion Ratio Lower Upper  
75 100  
110 8.0 17.4 52.3#  
77 0.0 24.7 37.1#



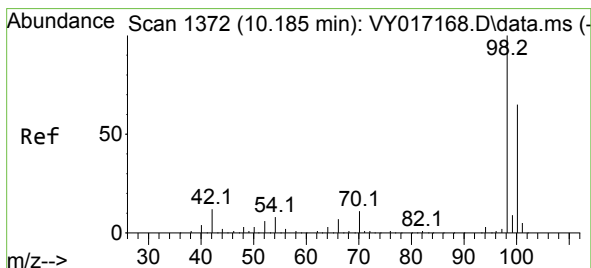
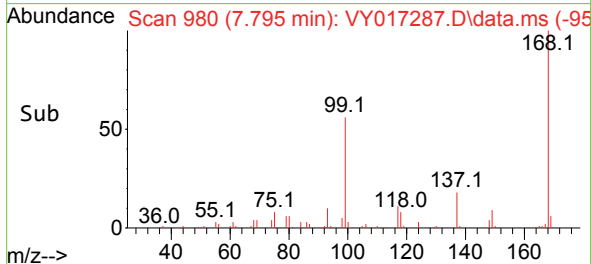
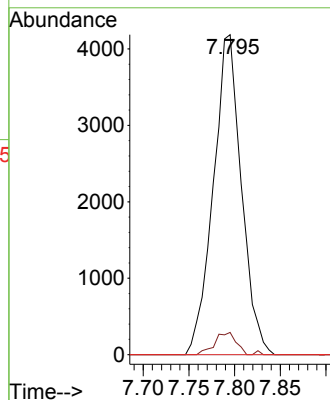


#38  
Carbon Tetrachloride  
Concen: 6.161 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.116 min  
Lab File: VY017287.D  
Acq: 07 Feb 2024 14:26

Instrument :  
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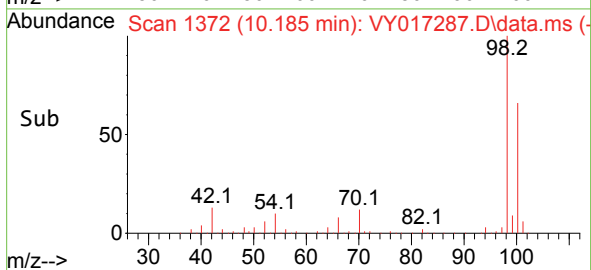
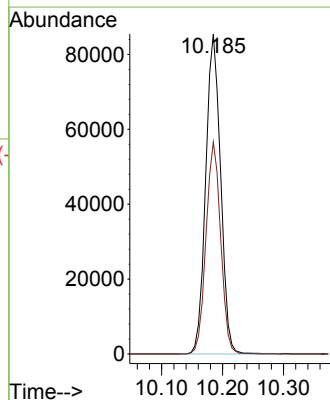
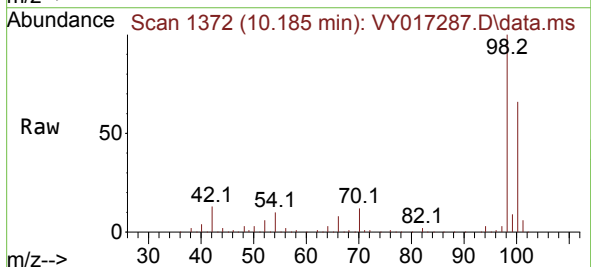


Tgt Ion:117 Resp: 8956  
Ion Ratio Lower Upper  
117 100  
119 7.0 76.0 114.0#  
121 0.0 24.2 36.2#

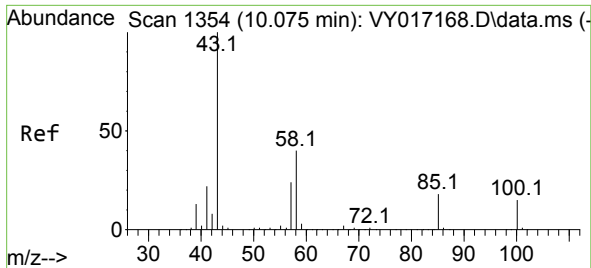


#50  
Toluene-d8  
Concen: 45.300 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY017287.D  
Acq: 07 Feb 2024 14:26

Tgt Ion: 98 Resp: 145167  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.3 78.5



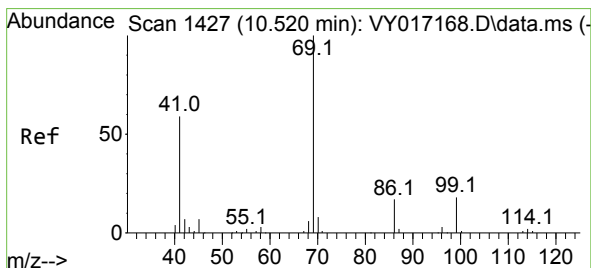
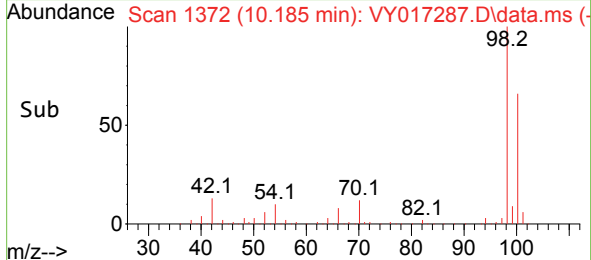
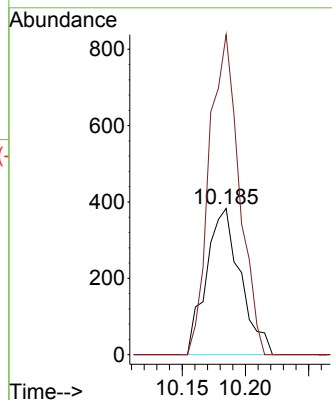
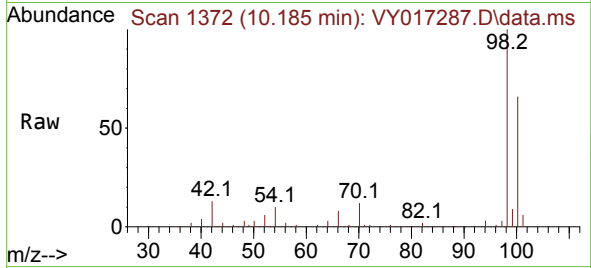




#51  
4-Methyl-2-Pentanone  
Concen: 1.075 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. 0.110 min  
Lab File: VY017287.D  
Acq: 07 Feb 2024 14:26

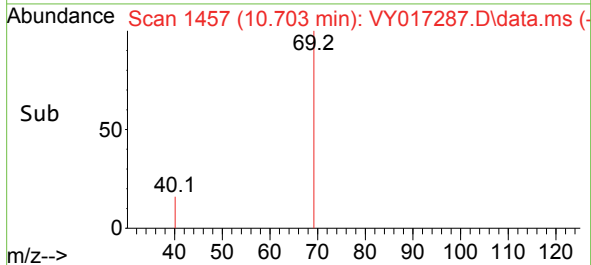
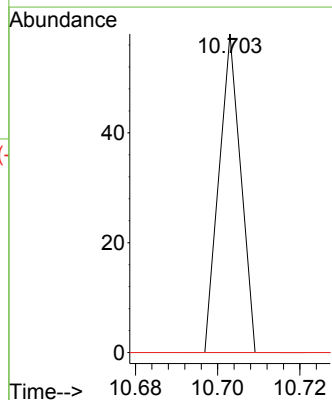
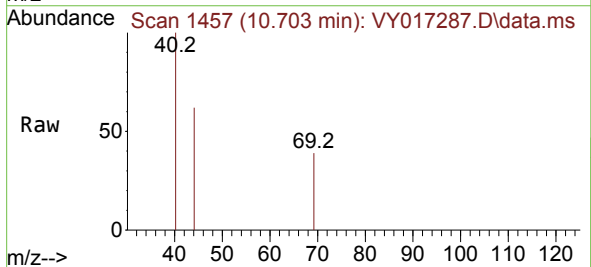
Instrument :  
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ClientSampleId :  
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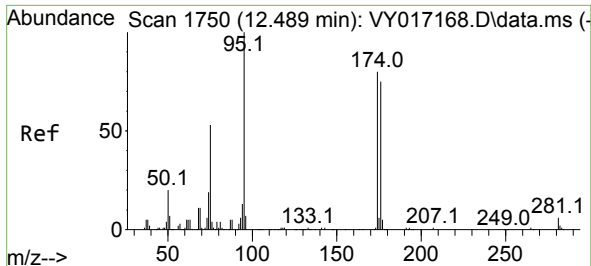
Tgt Ion: 43 Resp: 718  
Ion Ratio Lower Upper  
43 100  
58 192.3 32.2 48.2#



#56  
Ethyl methacrylate  
Concen: 3.023 ug/l  
RT: 10.703 min Scan# 1457  
Delta R.T. 0.183 min  
Lab File: VY017287.D  
Acq: 07 Feb 2024 14:26

Tgt Ion: 69 Resp: 21  
Ion Ratio Lower Upper  
69 100  
41 0.0 49.2 73.8#  
39 0.0 26.8 40.2#

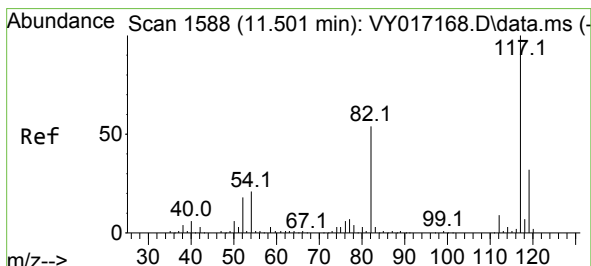
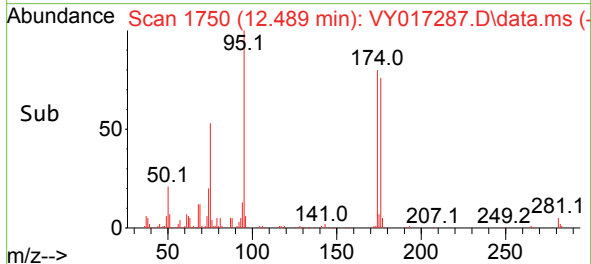
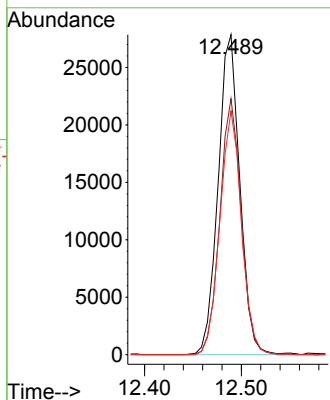
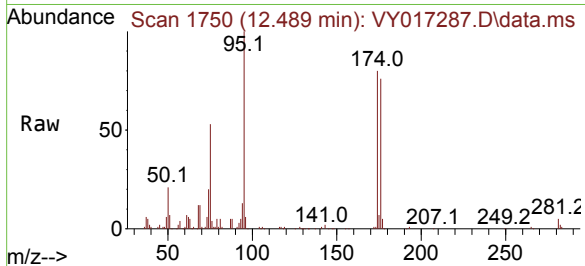




#62  
4-Bromofluorobenzene  
Concen: 41.329 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.000 min  
Lab File: VY017287.D  
Acq: 07 Feb 2024 14:26

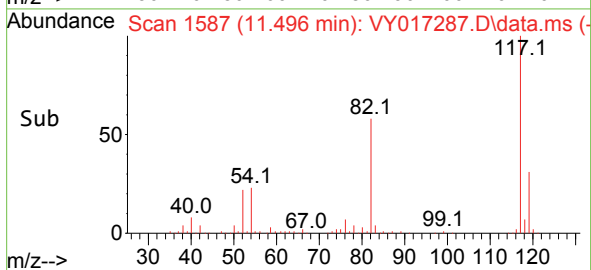
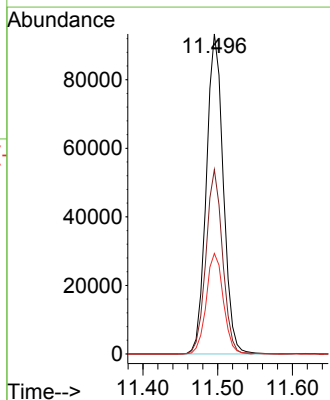
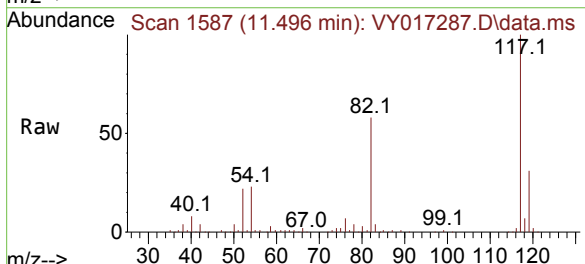
Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-3

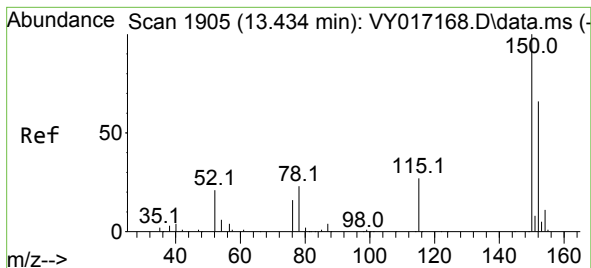
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 95    | Resp: | 43385 |
| Ion Ratio | Lower | Upper |       |
| 95        | 100   |       |       |
| 174       | 78.9  | 0.0   | 160.0 |
| 176       | 75.8  | 0.0   | 151.8 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.006 min  
Lab File: VY017287.D  
Acq: 07 Feb 2024 14:26

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 146958 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 57.6  | 43.8  | 65.8   |
| 119       | 31.4  | 26.5  | 39.7   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VY017287.D

Acq: 07 Feb 2024 14:26

Instrument :

MSVOA\_Y

ClientSampleId :

COMP-3

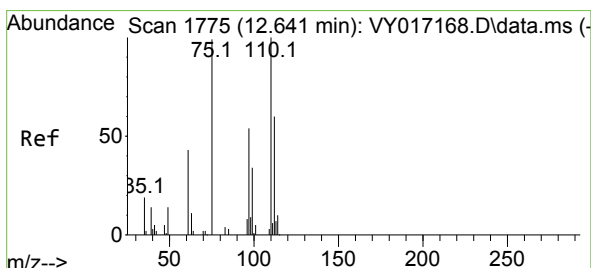
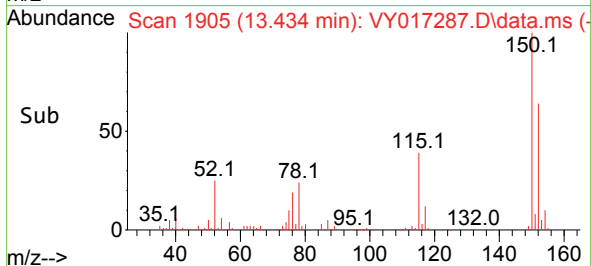
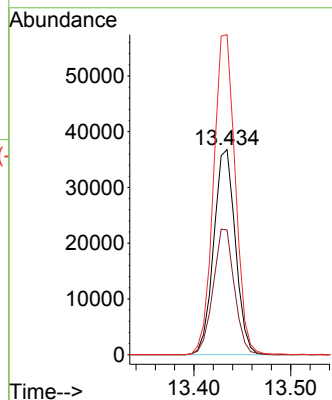
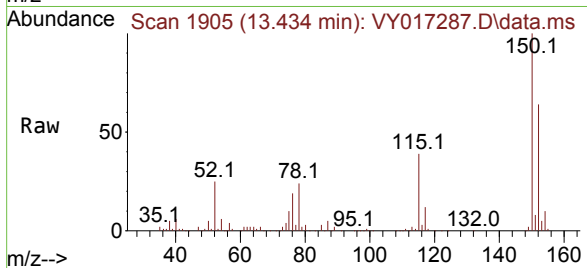
Tgt Ion:152 Resp: 57211

Ion Ratio Lower Upper

152 100

115 60.3 30.0 90.0

150 156.9 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 46.518 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.158 min

Lab File: VY017287.D

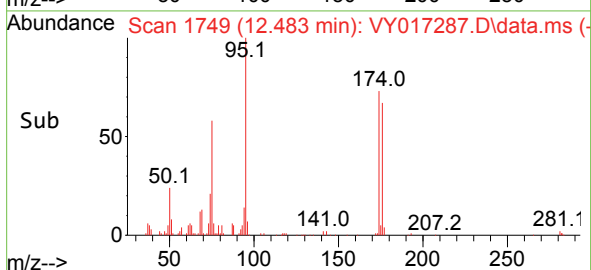
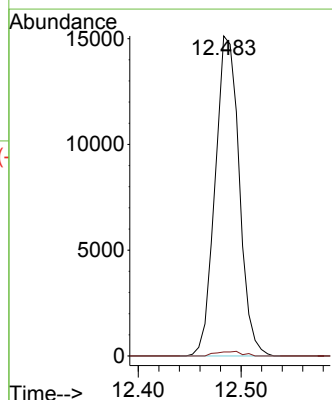
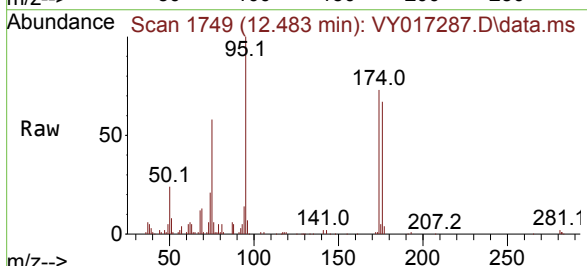
Acq: 07 Feb 2024 14:26

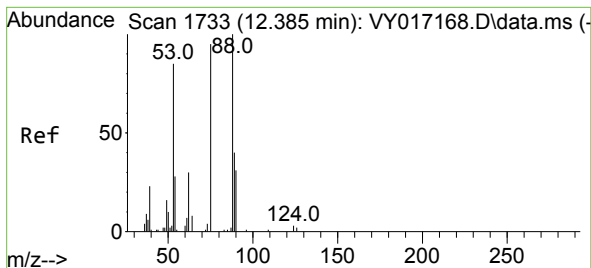
Tgt Ion: 75 Resp: 24564

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

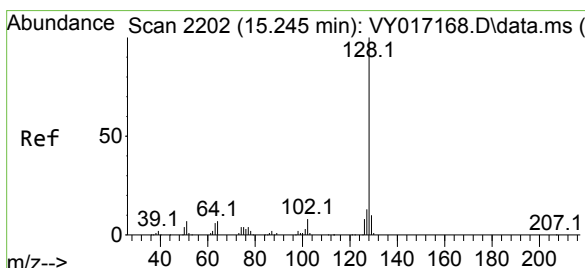
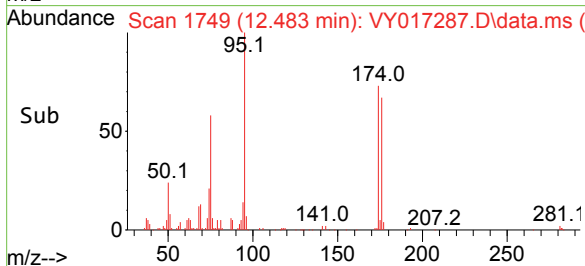
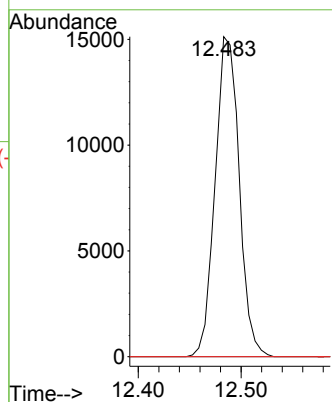
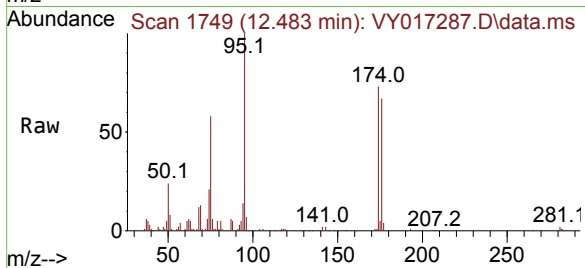




#81  
trans-1,4-Dichloro-2-butene  
Concen: 96.659 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.098 min  
Lab File: VY017287.D  
Acq: 07 Feb 2024 14:26

Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-3

Tgt Ion: 75 Resp: 24564  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.0 111.0#  
89 0.0 36.5 54.7#



#95  
Naphthalene  
Concen: 3.888 ug/l  
RT: 15.239 min Scan# 2201  
Delta R.T. -0.006 min  
Lab File: VY017287.D  
Acq: 07 Feb 2024 14:26

Tgt Ion: 128 Resp: 754  
Ion Ratio Lower Upper  
128 100  
127 5.0 10.2 15.4#  
129 2.7 8.6 12.8#

