

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020224\  
 Data File : VY017182.D  
 Acq On : 02 Feb 2024 14:27  
 Operator : SY/MD  
 Sample : P1341-02  
 Misc : 4.29g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 COMP-2

Quant Time: Feb 02 22:30:06 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

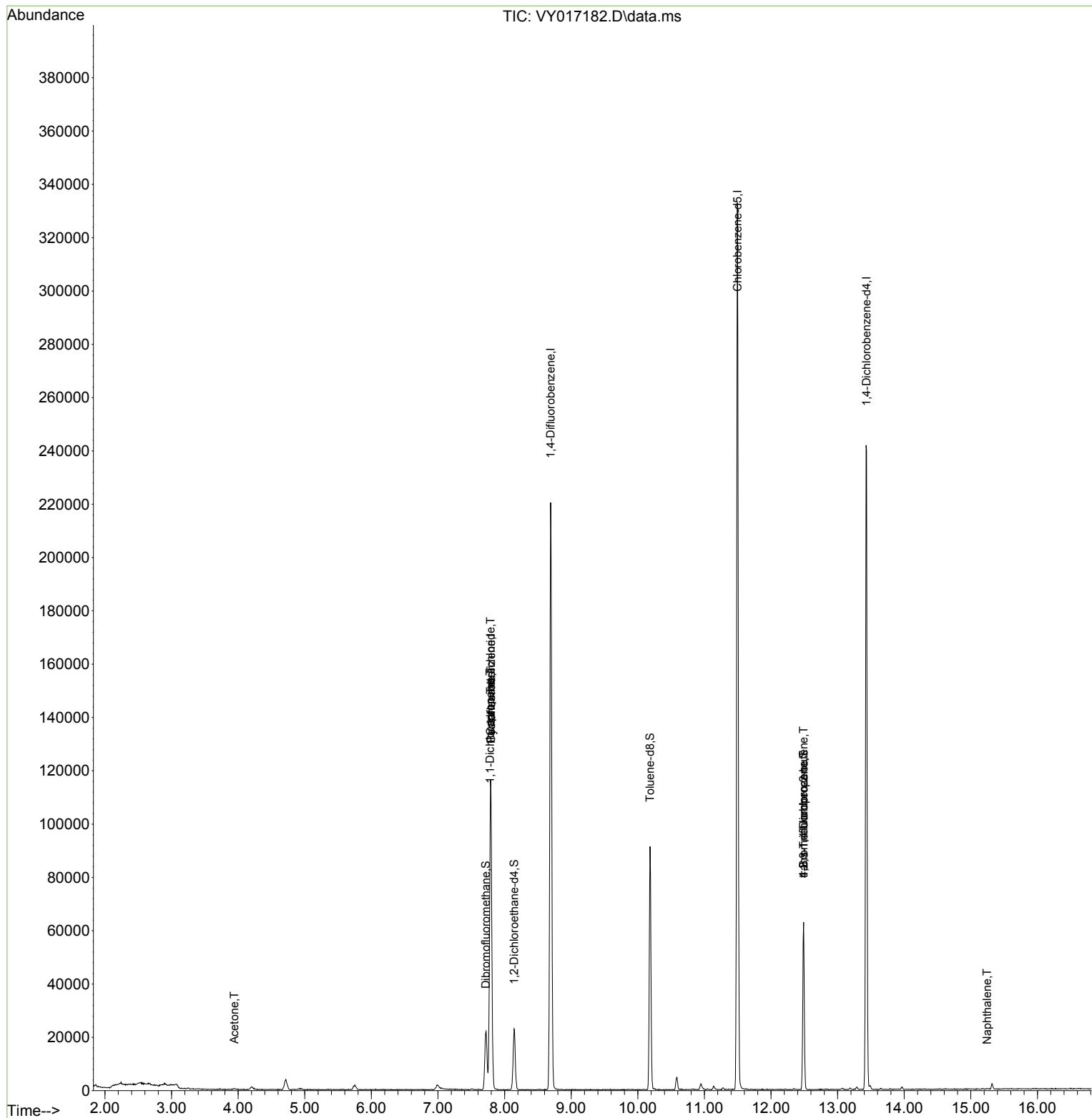
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.795  | 168   | 87996    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 189488   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.496 | 117   | 174285   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.434 | 152   | 61660    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.143  | 65    | 16856    | 21.443    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 42.880%# |
| 35) Dibromofluoromethane      | 7.716  | 113   | 16276    | 15.908    | ug/l   | -0.01    |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 31.820%# |
| 50) Toluene-d8                | 10.185 | 98    | 60449    | 16.228    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 32.460%# |
| 62) 4-Bromofluorobenzene      | 12.489 | 95    | 19163    | 15.704    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | =      | 31.400%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 11) Tert butyl alcohol        | 4.924  | 59    | 314      | Below Cal | #      | 75       |
| 16) Acetone                   | 3.942  | 43    | 635      | 2.748     | ug/l # | 41       |
| 20) Methylene Chloride        | 4.716  | 84    | 2861     | Below Cal | #      | 91       |
| 31) Cyclohexane               | 7.795  | 56    | 2085     | 1.316     | ug/l # | 5        |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 7662     | 4.342     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 8764     | 5.187     | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.489 | 75    | 9955     | 17.492    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.489 | 75    | 9955     | 36.346    | ug/l # | 12       |
| 95) Naphthalene               | 15.245 | 128   | 249      | 3.565     | ug/l # | 69       |
| -----                         |        |       |          |           |        |          |

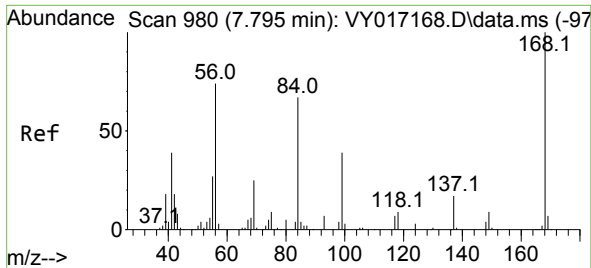
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-2

Quant Time: Feb 02 22:30:06 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

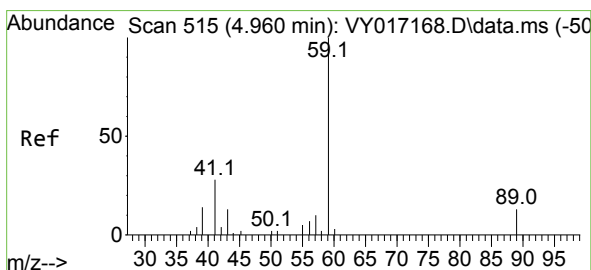
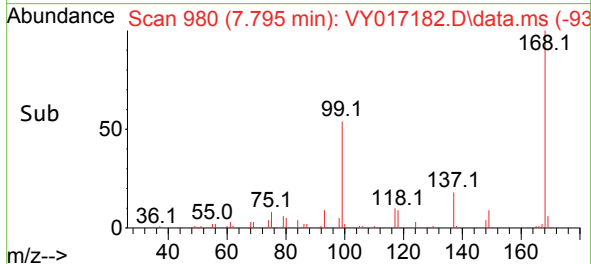
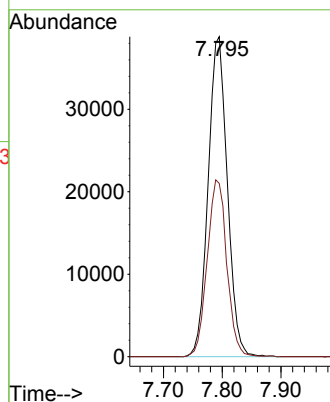
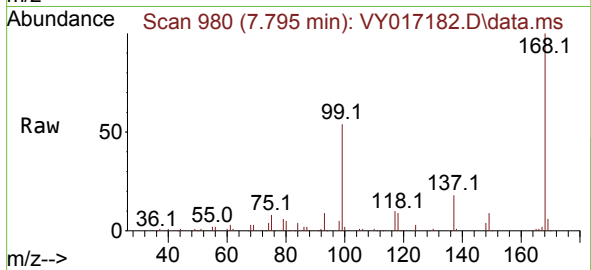




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY017182.D  
Acq: 02 Feb 2024 14:27

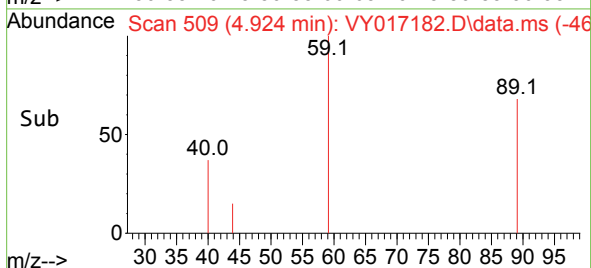
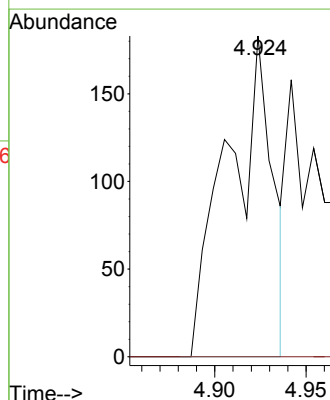
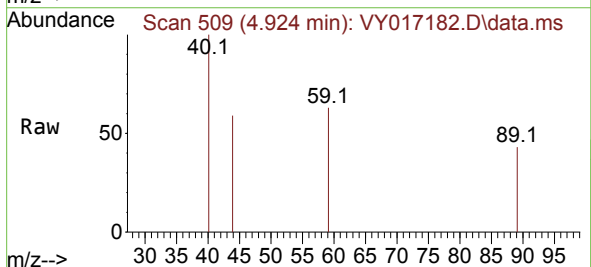
Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-2

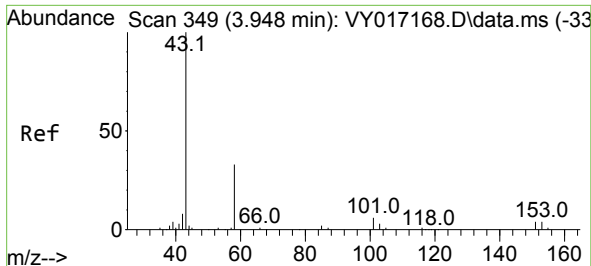
Tgt Ion:168 Resp: 87996  
Ion Ratio Lower Upper  
168 100  
99 54.2 44.2 66.4



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.924 min Scan# 509  
Delta R.T. -0.036 min  
Lab File: VY017182.D  
Acq: 02 Feb 2024 14:27

Tgt Ion: 59 Resp: 314  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.0#





#16

Acetone

Concen: 2.748 ug/l

RT: 3.942 min Scan# 34

Delta R.T. -0.006 min

Lab File: VY017182.D

Acq: 02 Feb 2024 14:27

Instrument :

MSVOA\_Y

ClientSampleId :

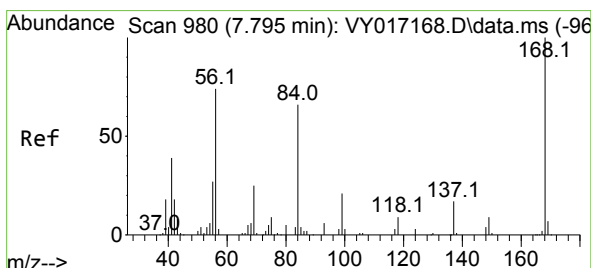
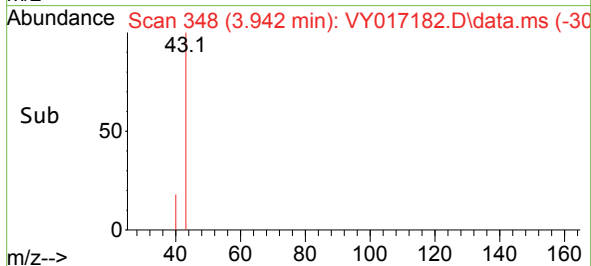
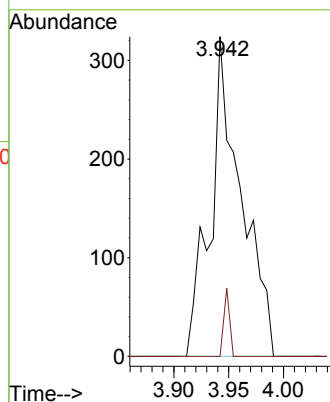
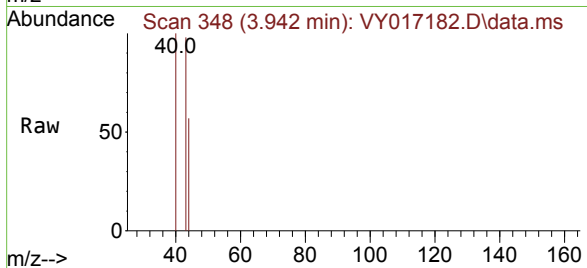
COMP-2

Tgt Ion: 43 Resp: 635

Ion Ratio Lower Upper

43 100

58 0.0 26.6 39.8#



#31

Cyclohexane

Concen: 1.316 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.000 min

Lab File: VY017182.D

Acq: 02 Feb 2024 14:27

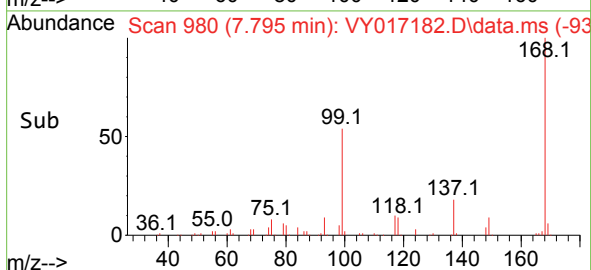
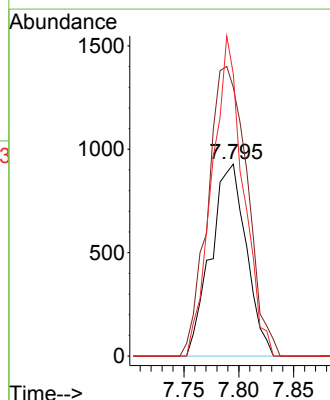
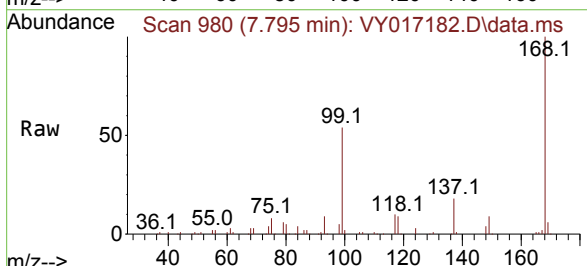
Tgt Ion: 56 Resp: 2085

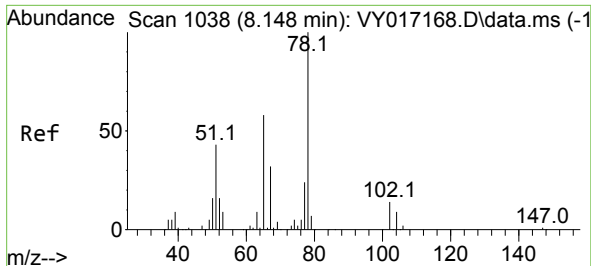
Ion Ratio Lower Upper

56 100

69 140.0 27.0 40.6#

84 147.0 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 21.443 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VY017182.D

Acq: 02 Feb 2024 14:27

Instrument :

MSVOA\_Y

ClientSampleId :

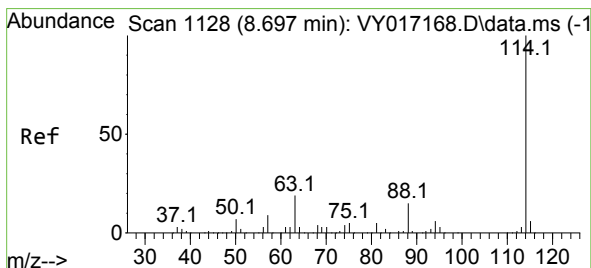
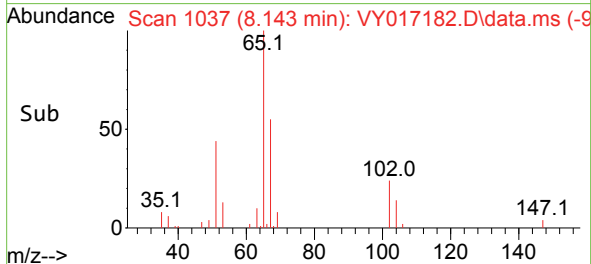
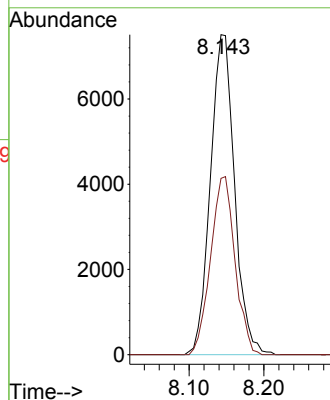
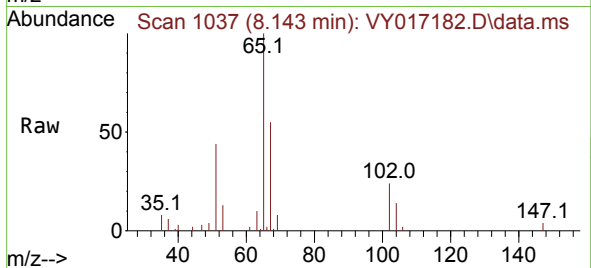
COMP-2

Tgt Ion: 65 Resp: 16856

Ion Ratio Lower Upper

65 100

67 56.3 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: VY017182.D

Acq: 02 Feb 2024 14:27

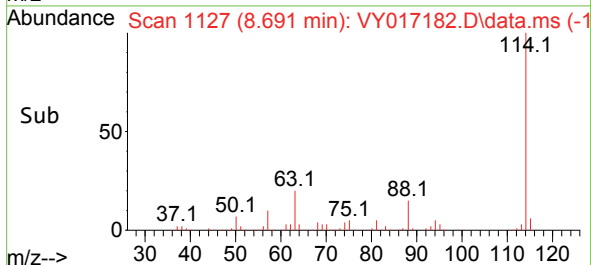
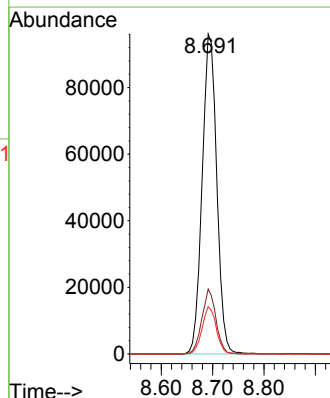
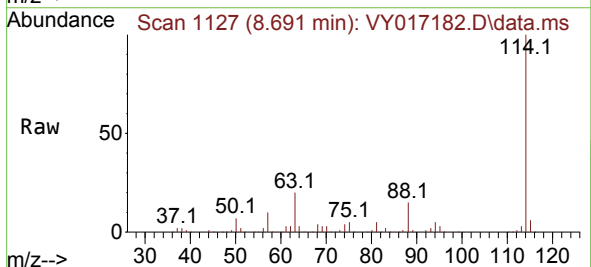
Tgt Ion: 114 Resp: 189488

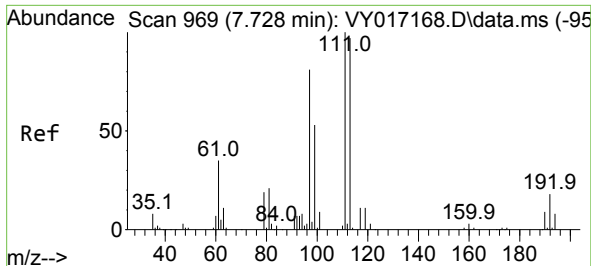
Ion Ratio Lower Upper

114 100

63 20.3 0.0 37.4

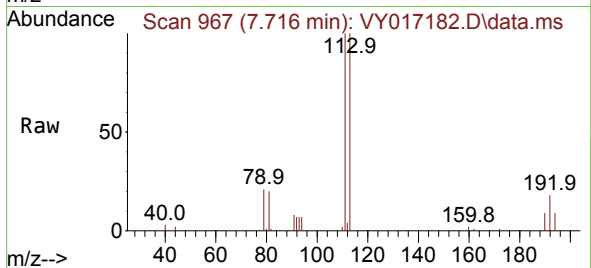
88 14.7 0.0 29.0



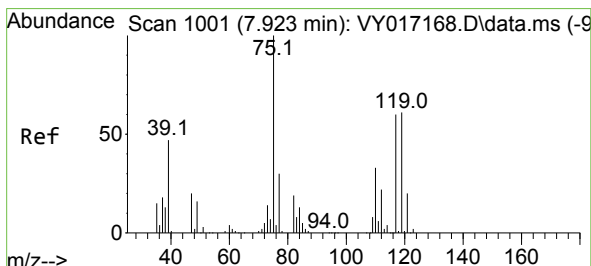
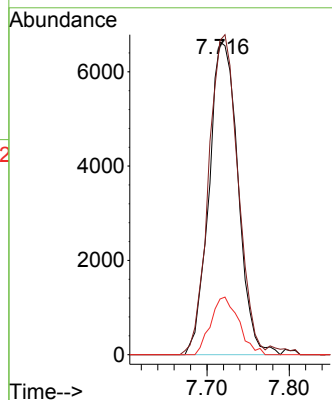
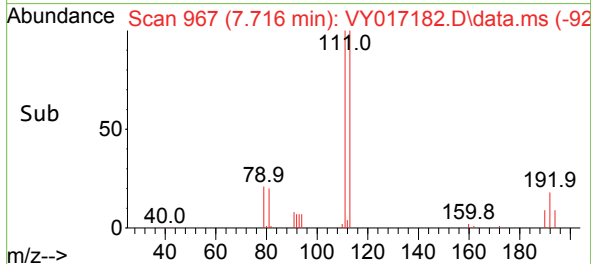


#35  
Dibromofluoromethane  
Concen: 15.908 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VY017182.D  
Acq: 02 Feb 2024 14:27

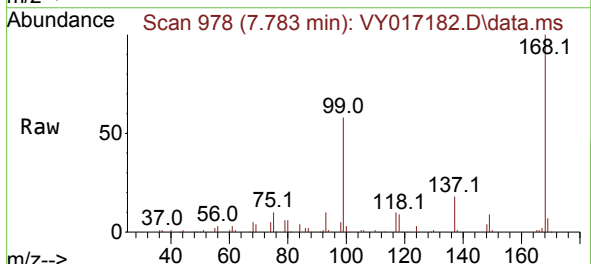
Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-2



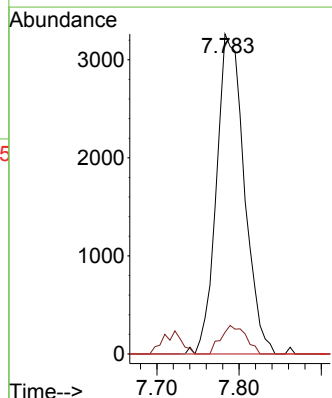
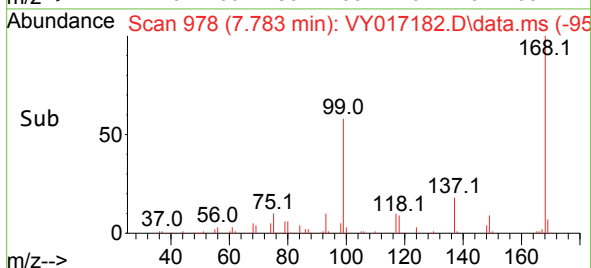
Tgt Ion:113 Resp: 16276  
Ion Ratio Lower Upper  
113 100  
111 103.2 83.8 125.6  
192 17.7 14.5 21.7

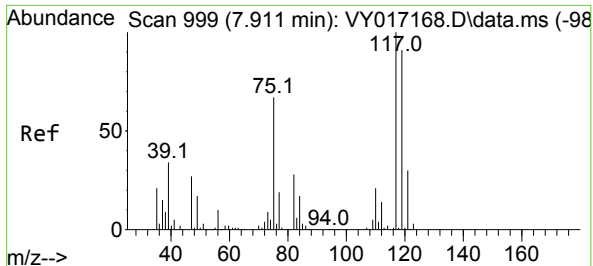


#36  
1,1-Dichloropropene  
Concen: 4.342 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.140 min  
Lab File: VY017182.D  
Acq: 02 Feb 2024 14:27



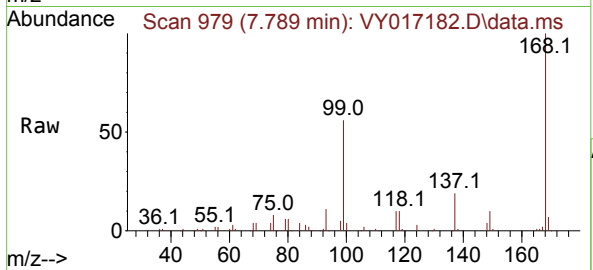
Tgt Ion: 75 Resp: 7662  
Ion Ratio Lower Upper  
75 100  
110 8.0 17.4 52.3#  
77 0.0 24.7 37.1#



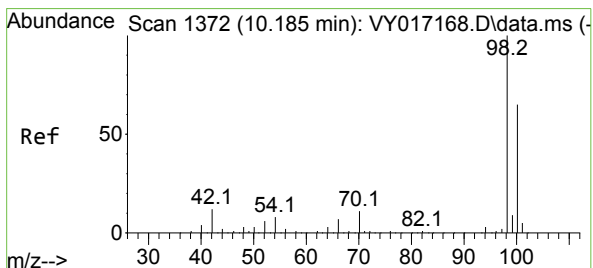
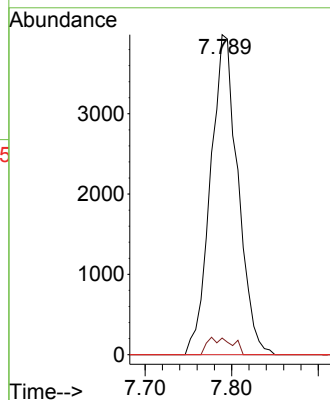
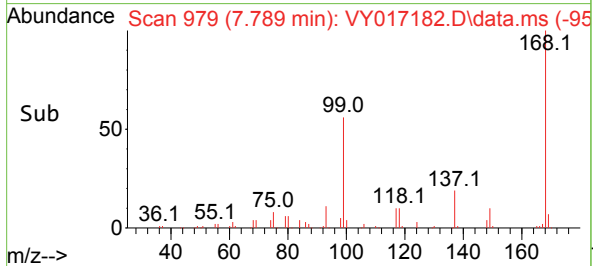


#38  
Carbon Tetrachloride  
Concen: 5.187 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.122 min  
Lab File: VY017182.D  
Acq: 02 Feb 2024 14:27

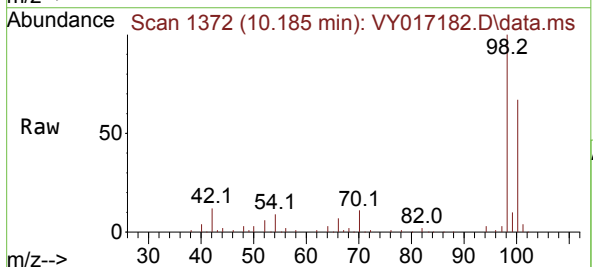
Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-2



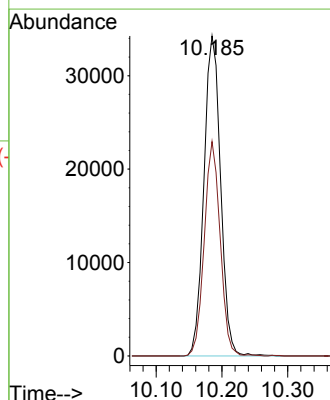
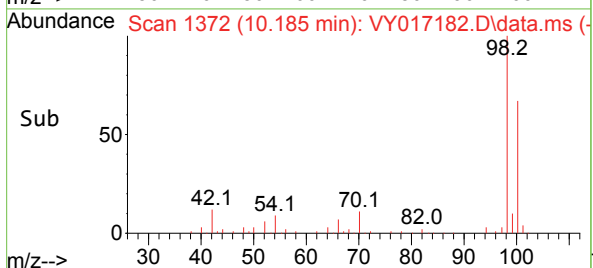
Tgt Ion:117 Resp: 8764  
Ion Ratio Lower Upper  
117 100  
119 5.2 76.0 114.0#  
121 0.0 24.2 36.2#

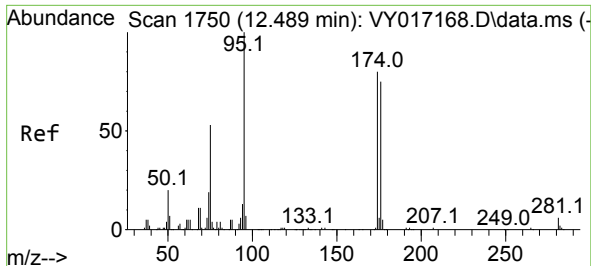


#50  
Toluene-d8  
Concen: 16.228 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY017182.D  
Acq: 02 Feb 2024 14:27



Tgt Ion: 98 Resp: 60449  
Ion Ratio Lower Upper  
98 100  
100 64.0 52.3 78.5

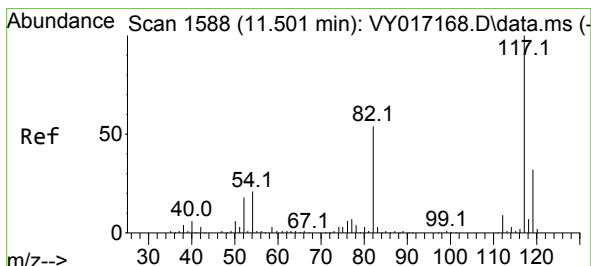
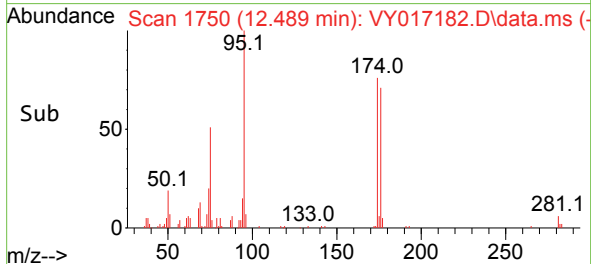
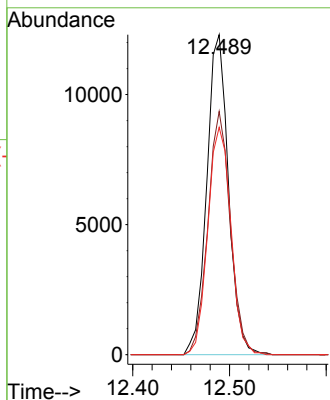
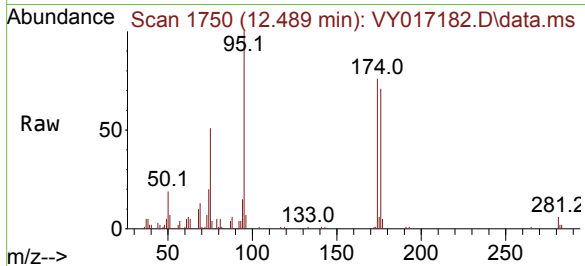




#62  
4-Bromofluorobenzene  
Concen: 15.704 ug/l  
RT: 12.489 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY017182.D  
Acq: 02 Feb 2024 14:27

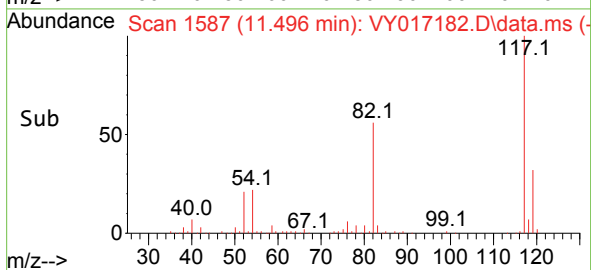
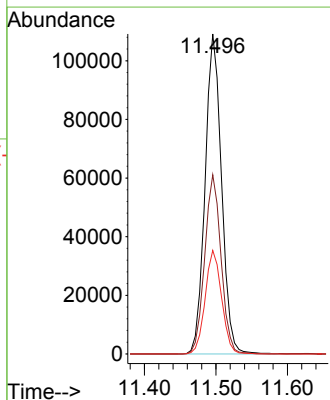
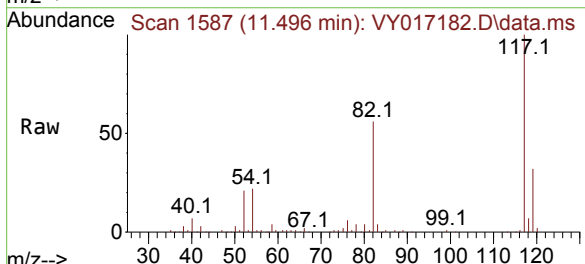
Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-2

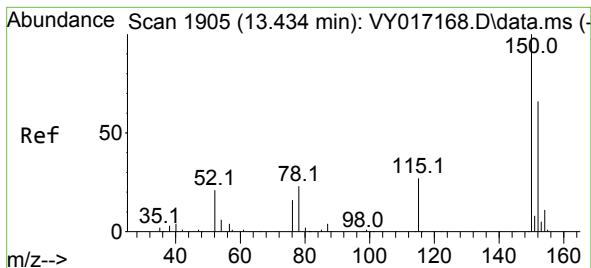
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 19163 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 78.6  | 0.0   | 160.0 |
| 176      | 75.4  | 0.0   | 151.8 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.006 min  
Lab File: VY017182.D  
Acq: 02 Feb 2024 14:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 174285 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 56.0  | 43.8  | 65.8   |
| 119      | 32.4  | 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: VY017182.D

Acq: 02 Feb 2024 14:27

Instrument :

MSVOA\_Y

ClientSampleId :

COMP-2

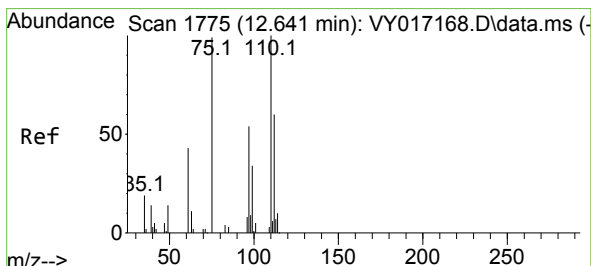
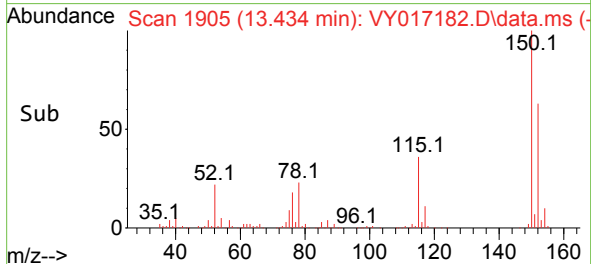
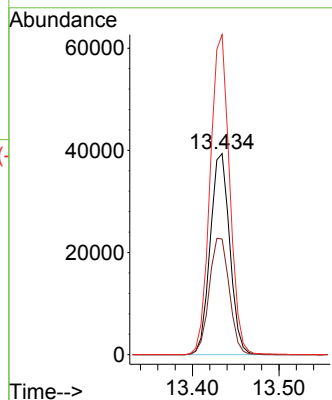
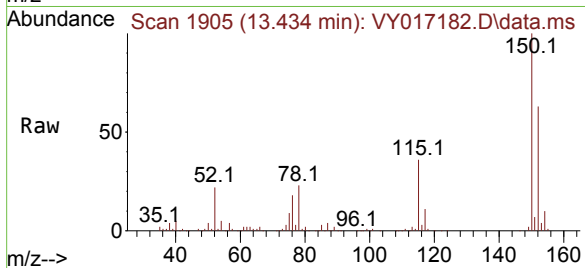
Tgt Ion:152 Resp: 61660

Ion Ratio Lower Upper

152 100

115 59.7 30.0 90.0

150 158.6 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 17.492 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.152 min

Lab File: VY017182.D

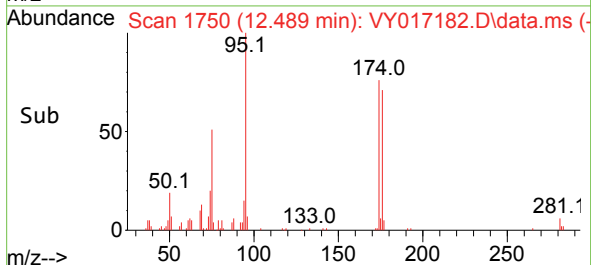
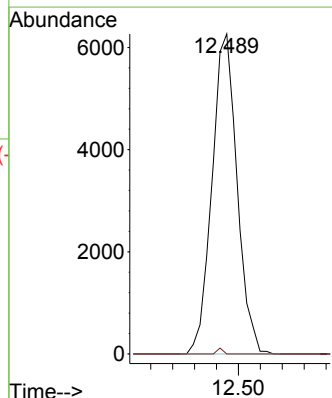
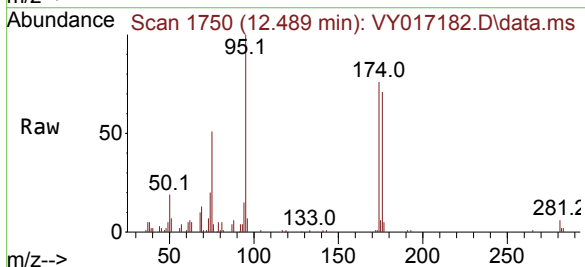
Acq: 02 Feb 2024 14:27

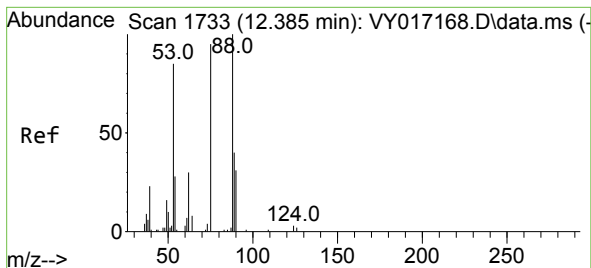
Tgt Ion: 75 Resp: 9955

Ion Ratio Lower Upper

75 100

77 0.4 0.0 0.0#

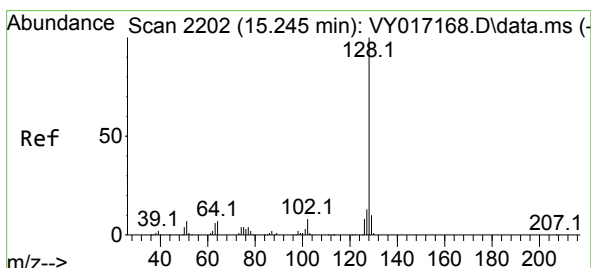
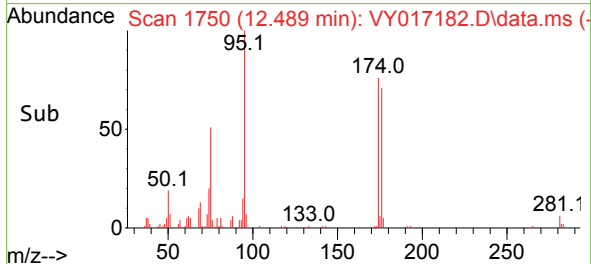
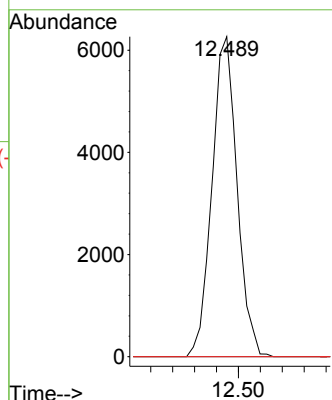
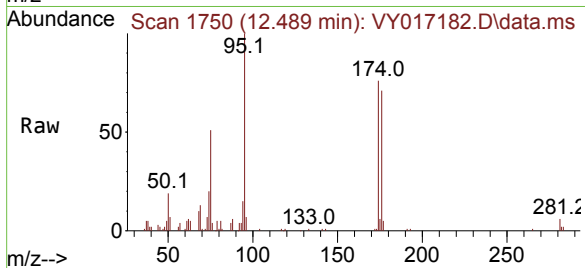




#81  
trans-1,4-Dichloro-2-butene  
Concen: 36.346 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.104 min  
Lab File: VY017182.D  
Acq: 02 Feb 2024 14:27

Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-2

Tgt Ion: 75 Resp: 9955  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.0 111.0#  
89 0.0 36.5 54.7#



#95  
Naphthalene  
Concen: 3.565 ug/l  
RT: 15.245 min Scan# 2202  
Delta R.T. -0.000 min  
Lab File: VY017182.D  
Acq: 02 Feb 2024 14:27

Tgt Ion: 128 Resp: 249  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.2 15.4#  
129 0.0 8.6 12.8#

