

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021723\  
 Data File : VY012659.D  
 Acq On : 17 Feb 2023 18:26  
 Operator : KP/MD  
 Sample : 01581-01RE  
 Misc : 5.89g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LEONIA-TRENCH-LINE

Quant Time: Feb 17 22:49:26 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020723S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 17 18:08:19 2023  
 Response via : Initial Calibration

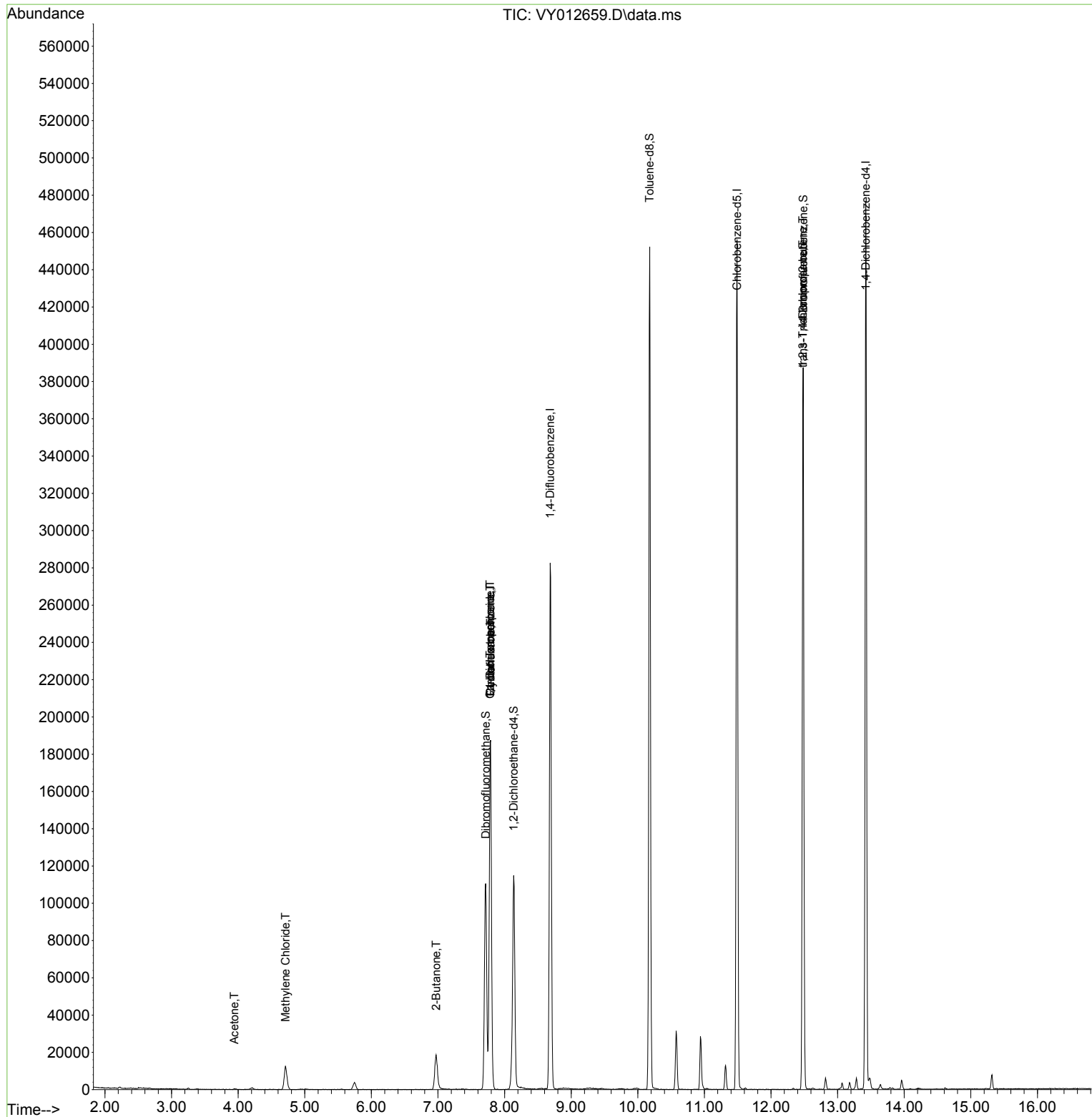
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 7.789          | 168  | 153502     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685          | 114  | 255620     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489         | 117  | 262582     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422         | 152  | 133435     | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.136          | 65   | 91445      | 46.848    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 93.700%   |        |          |
| 35) Dibromofluoromethane      | 7.716          | 113  | 75743      | 40.688    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 81.380%   |        |          |
| 50) Toluene-d8                | 10.179         | 98   | 303348     | 39.150    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = | 78.300%   |        |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 106259     | 39.316    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = | 78.640%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        |          |
|                               |                |      |            |           | Qvalue |          |
| 5) Bromomethane               | 2.662          | 94   | 20         | Below Cal | #      | 3        |
| 11) Tert butyl alcohol        | 4.936          | 59   | 329        | Below Cal | #      | 75       |
| 16) Acetone                   | 3.942          | 43   | 723        | 1.539     | ug/l # | 84       |
| 20) Methylene Chloride        | 4.710          | 84   | 10050      | 1.649     | ug/l   | 88       |
| 25) 2-Butanone                | 6.972          | 43   | 870        | 1.669     | ug/l   | 90       |
| 31) Cyclohexane               | 7.789          | 56   | 2585       | 1.145     | ug/l # | 42       |
| 36) 1,1-Dichloropropene       | 7.783          | 75   | 9981       | 3.962     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.783          | 117  | 14651      | 4.332     | ug/l # | 17       |
| 76) 1,2,3-Trichloropropane    | 12.477         | 75   | 56834      | 38.124    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477         | 75   | 56834      | 85.971    | ug/l # | 12       |
| -----                         |                |      |            |           |        |          |

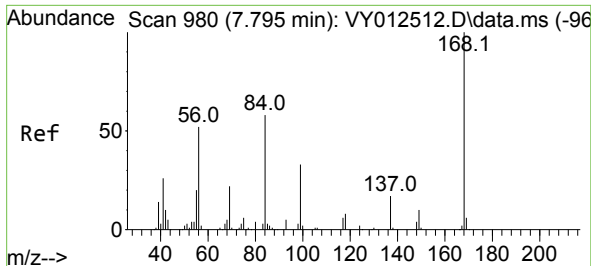
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
ClientSampleId :  
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QLast Update : Fri Feb 17 18:08:19 2023  
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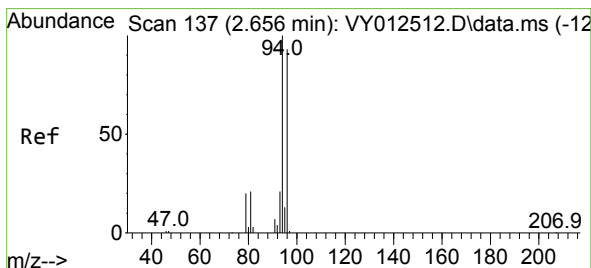
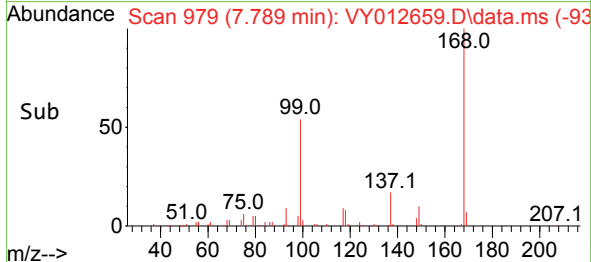
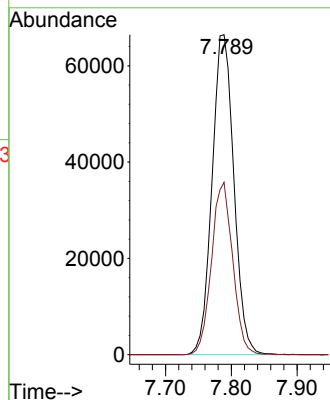
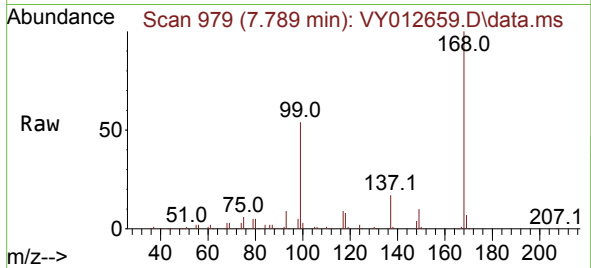




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY012659.D  
Acq: 17 Feb 2023 18:26

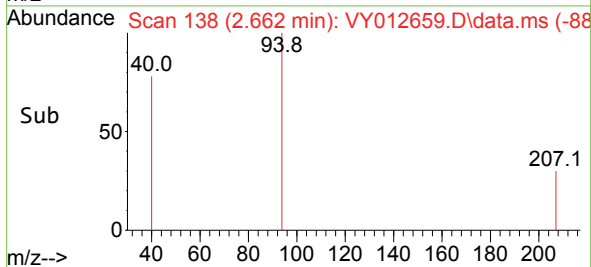
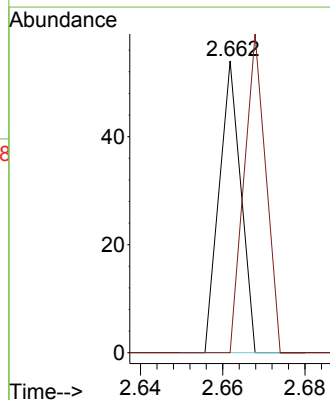
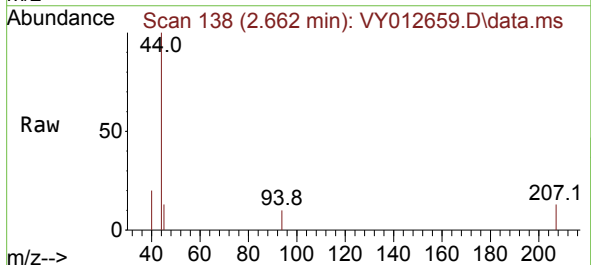
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LEONIA-TRENCH-LINE

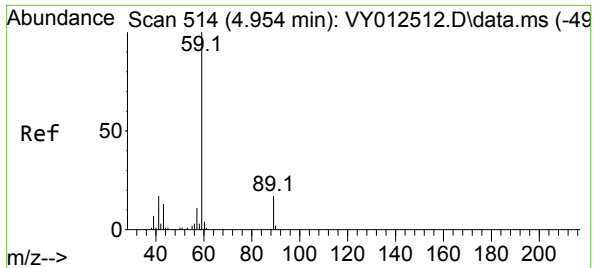
Tgt Ion:168 Resp: 153502  
Ion Ratio Lower Upper  
168 100  
99 53.9 40.8 61.2



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.662 min Scan# 138  
Delta R.T. 0.006 min  
Lab File: VY012659.D  
Acq: 17 Feb 2023 18:26

Tgt Ion: 94 Resp: 20  
Ion Ratio Lower Upper  
94 100  
96 0.0 74.7 112.1#

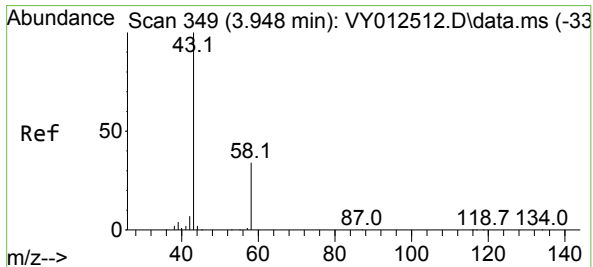
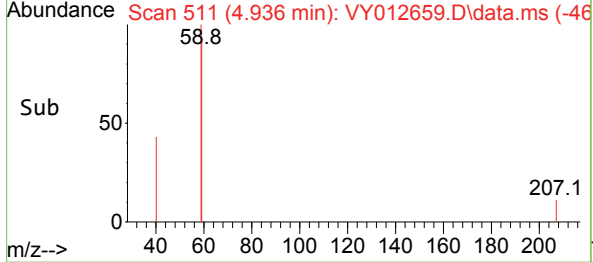
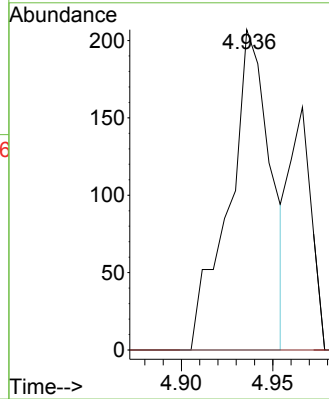
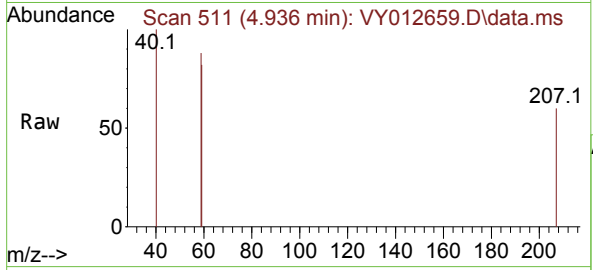




#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.936 min Scan# 511  
Delta R.T. -0.018 min  
Lab File: VY012659.D  
Acq: 17 Feb 2023 18:26

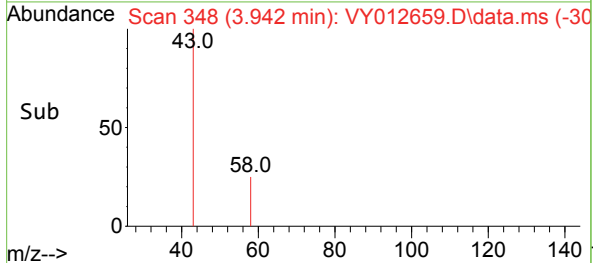
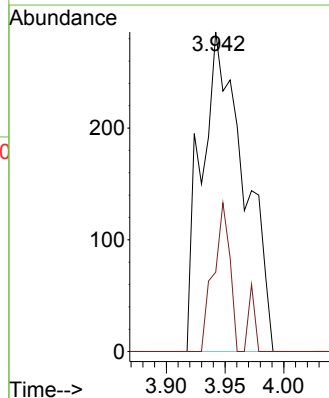
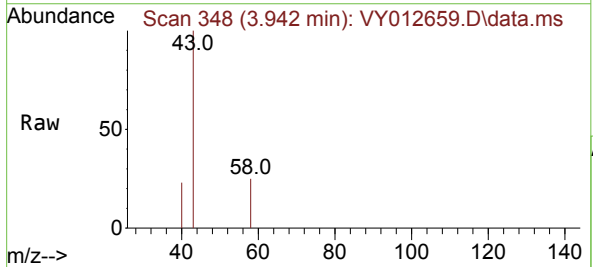
Instrument :  
MSVOA\_Y  
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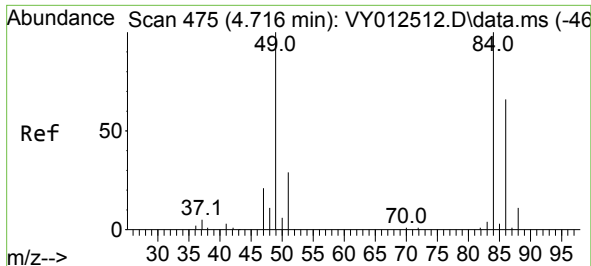
Tgt Ion: 59 Resp: 329  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.2 10.8#



#16  
Acetone  
Concen: 1.539 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. -0.006 min  
Lab File: VY012659.D  
Acq: 17 Feb 2023 18:26

Tgt Ion: 43 Resp: 723  
Ion Ratio Lower Upper  
43 100  
58 24.8 27.1 40.7#





#20

Methylene Chloride

Concen: 1.649 ug/l

RT: 4.710 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY012659.D

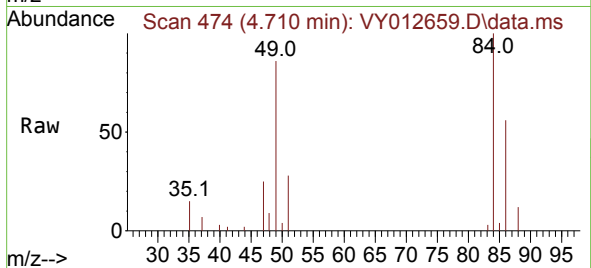
Acq: 17 Feb 2023 18:26

Instrument :

MSVOA\_Y

ClientSampleId :

LEONIA-TRENCH-LINE



Tgt Ion: 84 Resp: 10050

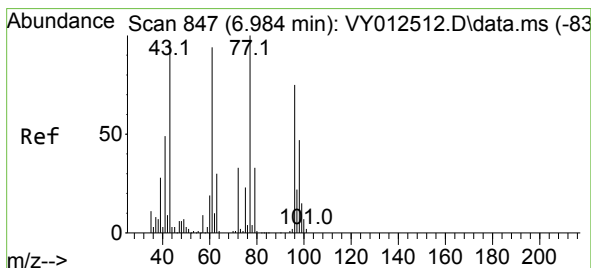
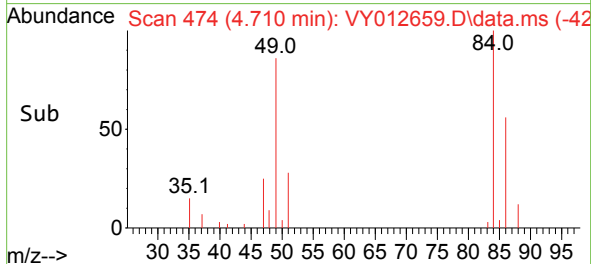
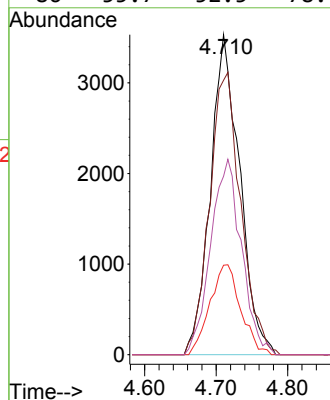
Ion Ratio Lower Upper

84 100

49 85.7 79.8 119.6

51 28.0 23.4 35.2

86 55.7 52.5 78.7



#25

2-Butanone

Concen: 1.669 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.012 min

Lab File: VY012659.D

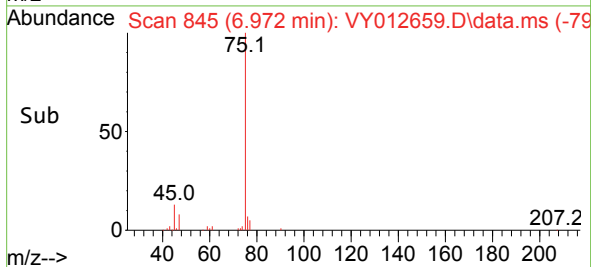
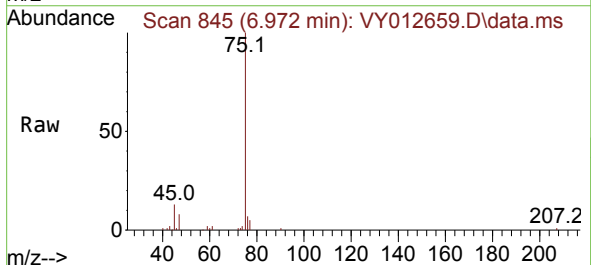
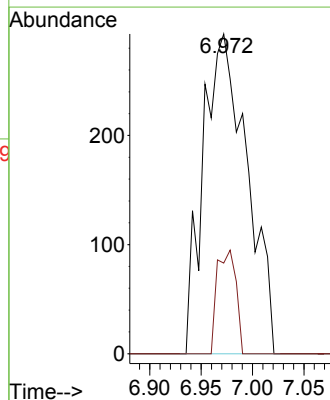
Acq: 17 Feb 2023 18:26

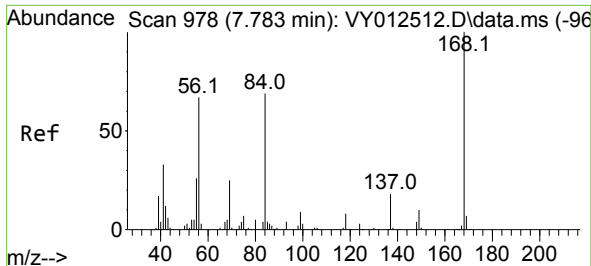
Tgt Ion: 43 Resp: 870

Ion Ratio Lower Upper

43 100

72 28.3 27.4 41.2

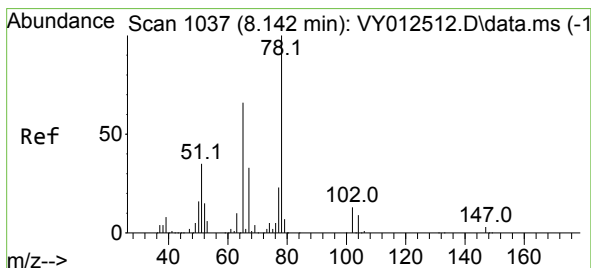
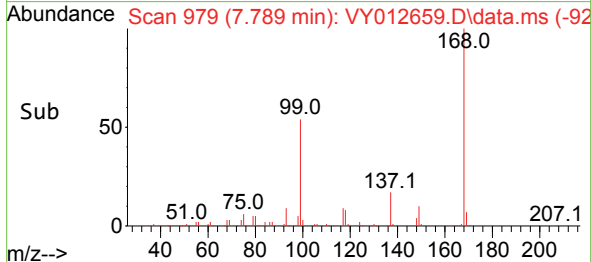
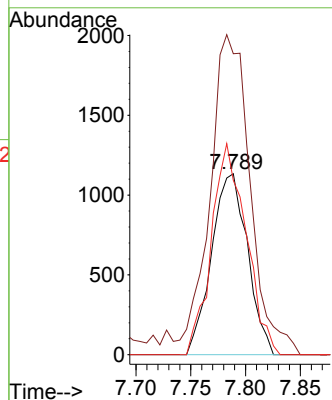
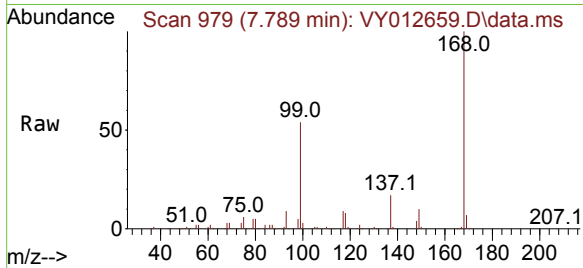




#31  
Cyclohexane  
Concen: 1.145 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY012659.D  
Acq: 17 Feb 2023 18:26

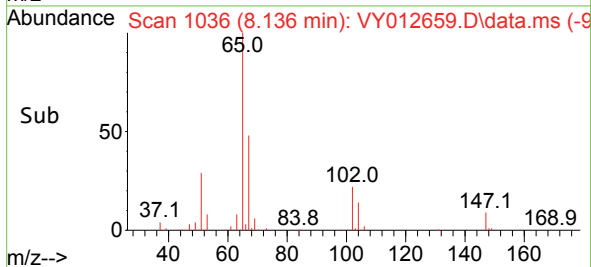
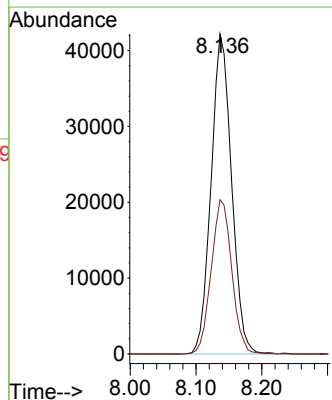
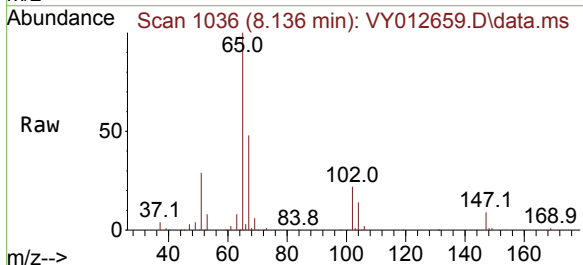
Instrument :  
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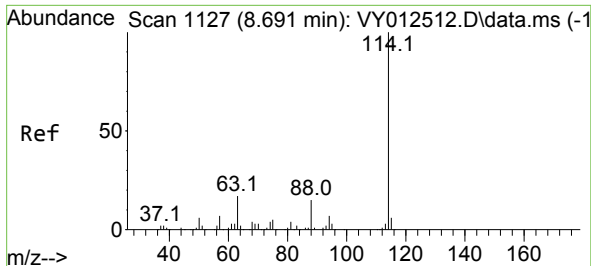
Tgt Ion: 56 Resp: 2585  
Ion Ratio Lower Upper  
56 100  
69 158.3 29.5 44.3#  
84 96.3 81.9 122.9



#33  
1,2-Dichloroethane-d4  
Concen: 46.848 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: VY012659.D  
Acq: 17 Feb 2023 18:26

Tgt Ion: 65 Resp: 91445  
Ion Ratio Lower Upper  
65 100  
67 48.4 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012659.D

Acq: 17 Feb 2023 18:26

Instrument :

MSVOA\_Y

ClientSampleId :

LEONIA-TRENCH-LINE

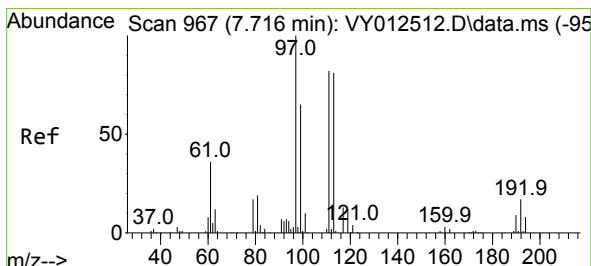
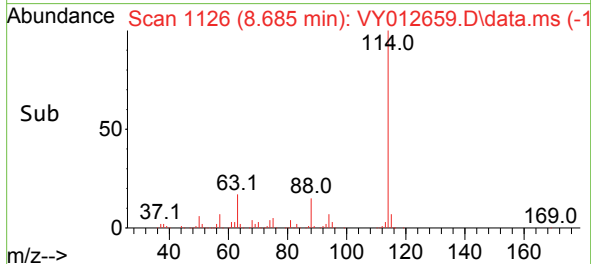
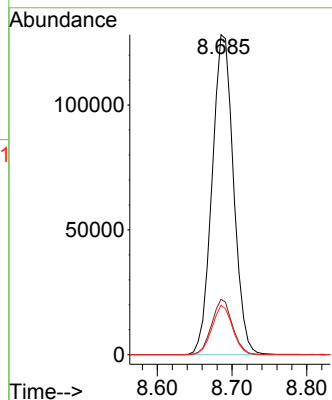
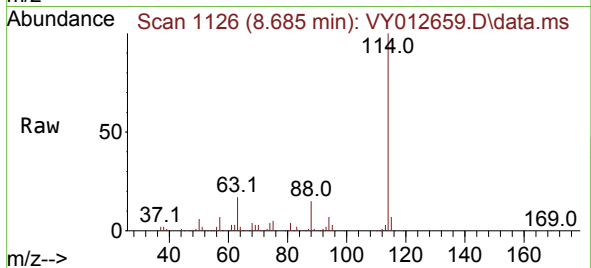
Tgt Ion:114 Resp: 255620

Ion Ratio Lower Upper

114 100

63 17.3 0.0 33.6

88 15.4 0.0 29.8



#35

Dibromofluoromethane

Concen: 40.688 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012659.D

Acq: 17 Feb 2023 18:26

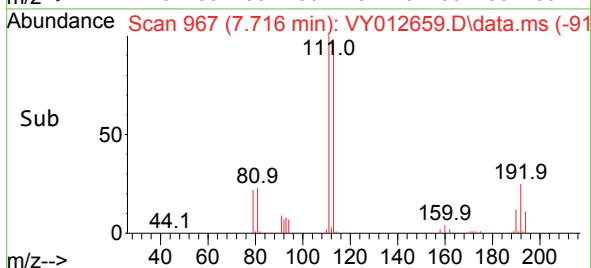
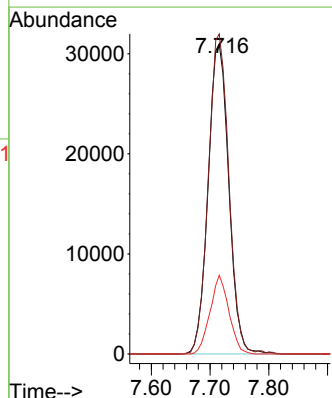
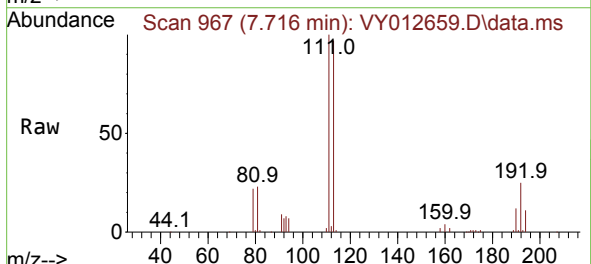
Tgt Ion:113 Resp: 75743

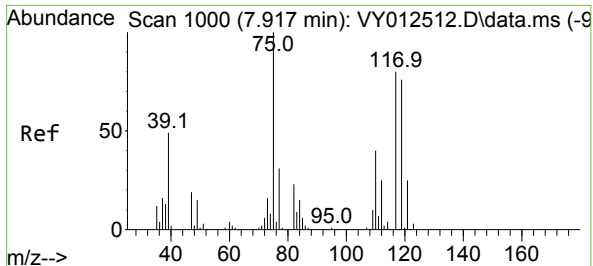
Ion Ratio Lower Upper

113 100

111 102.5 81.9 122.9

192 23.1 17.5 26.3





#36

1,1-Dichloropropene

Concen: 3.962 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY012659.D

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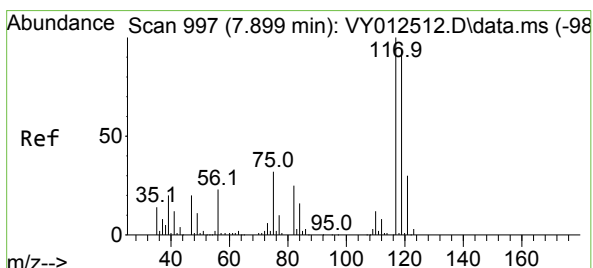
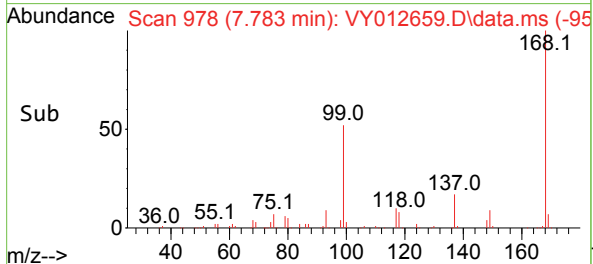
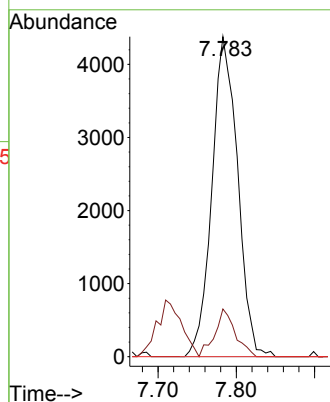
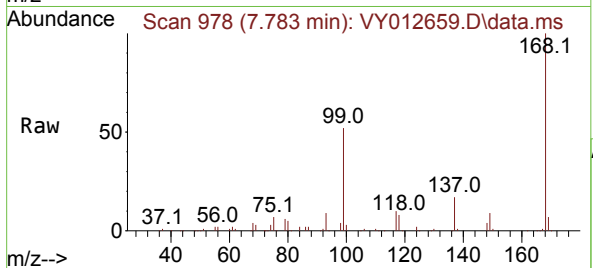
Tgt Ion: 75 Resp: 9981

Ion Ratio Lower Upper

75 100

110 11.9 19.5 58.5#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 4.332 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY012659.D

Acq: 17 Feb 2023 18:26

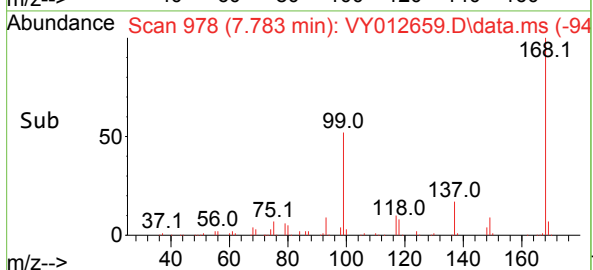
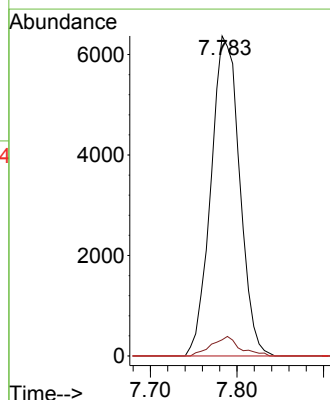
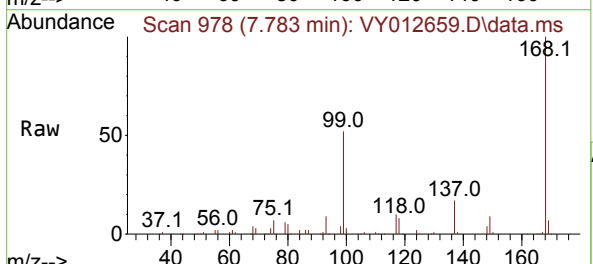
Tgt Ion: 117 Resp: 14651

Ion Ratio Lower Upper

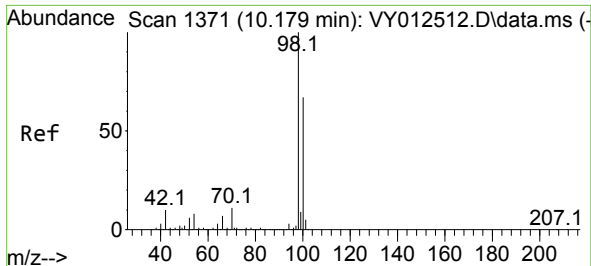
117 100

119 5.1 75.1 112.7#

121 0.0 24.3 36.5#



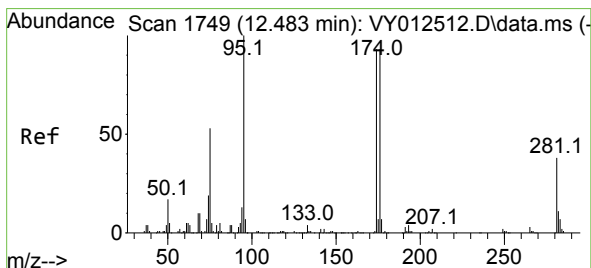
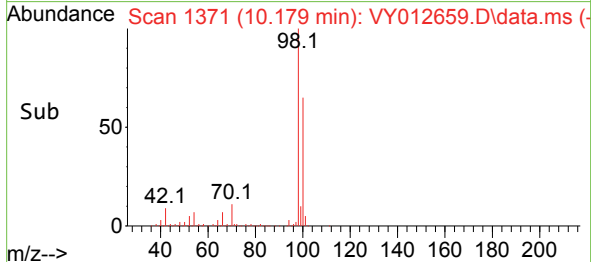
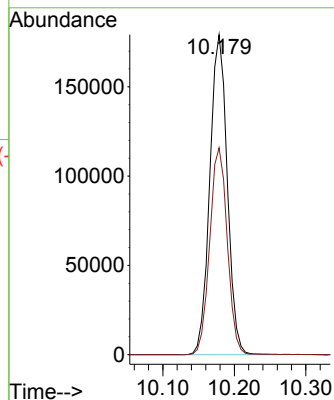
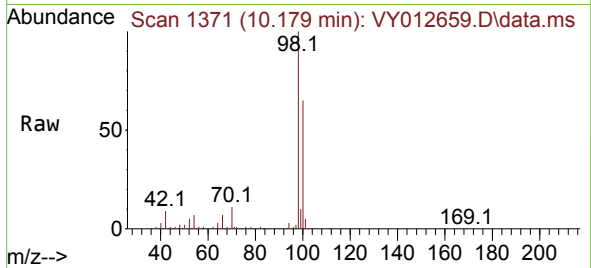




#50  
Toluene-d8  
Concen: 39.150 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.000 min  
Lab File: VY012659.D  
Acq: 17 Feb 2023 18:26

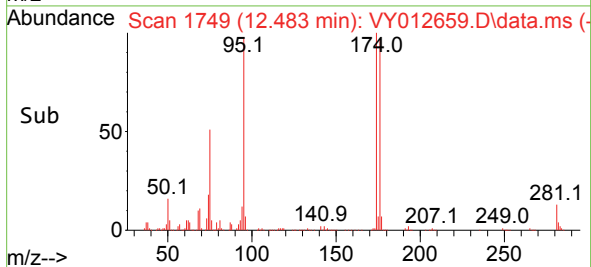
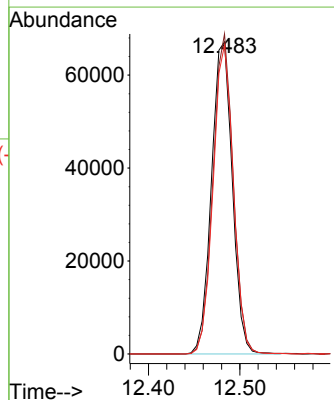
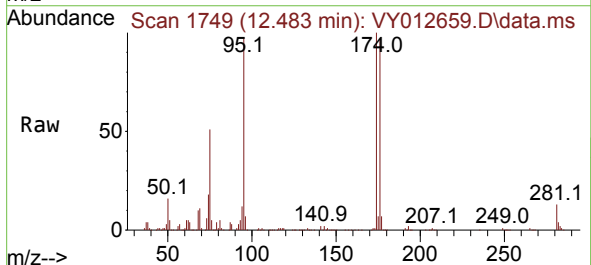
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LEONIA-TRENCH-LINE

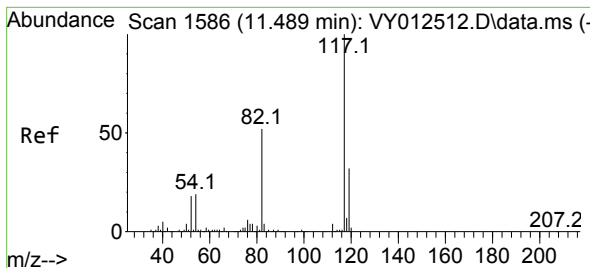
Tgt Ion: 98 Resp: 303348  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 39.316 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY012659.D  
Acq: 17 Feb 2023 18:26

Tgt Ion: 95 Resp: 106259  
Ion Ratio Lower Upper  
95 100  
174 99.6 0.0 188.0  
176 96.2 0.0 183.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012659.D

Acq: 17 Feb 2023 18:26

Instrument :

MSVOA\_Y

ClientSampleId :

LEONIA-TRENCH-LINE

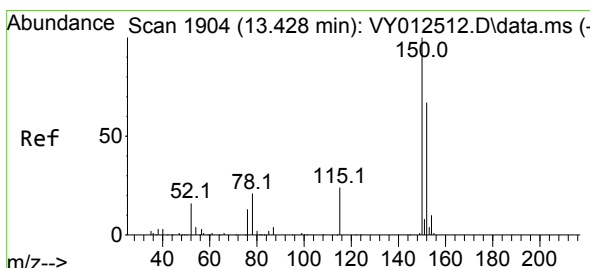
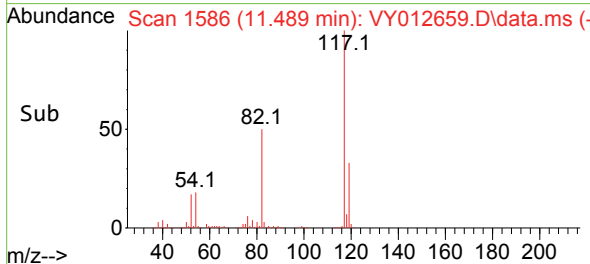
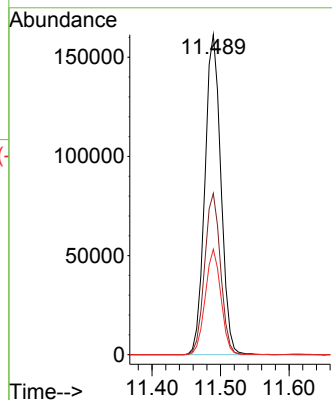
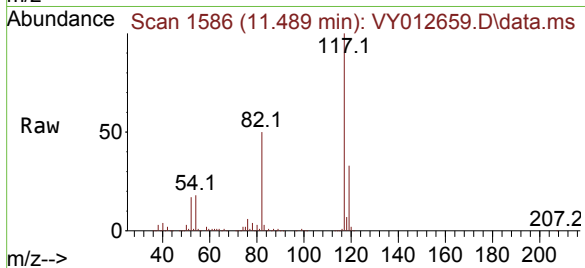
Tgt Ion:117 Resp: 262582

Ion Ratio Lower Upper

117 100

82 50.4 41.7 62.5

119 33.0 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY012659.D

Acq: 17 Feb 2023 18:26

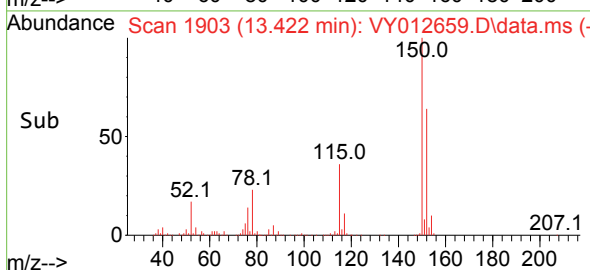
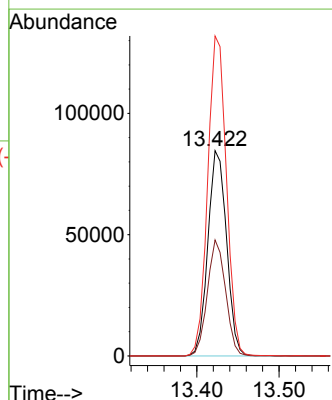
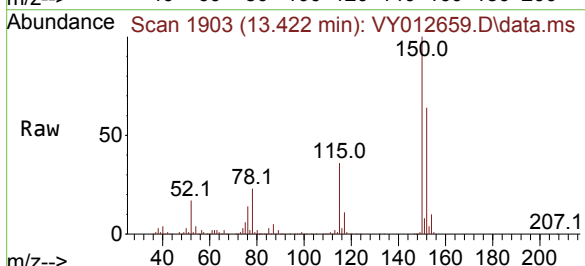
Tgt Ion:152 Resp: 133435

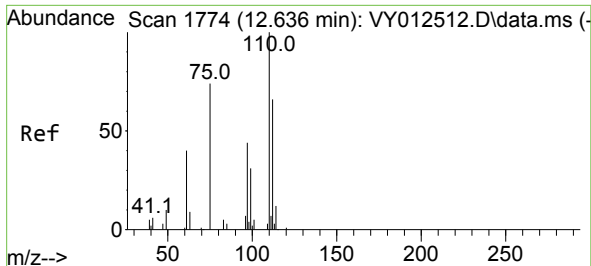
Ion Ratio Lower Upper

152 100

115 55.2 28.1 84.3

150 156.1 0.0 351.0

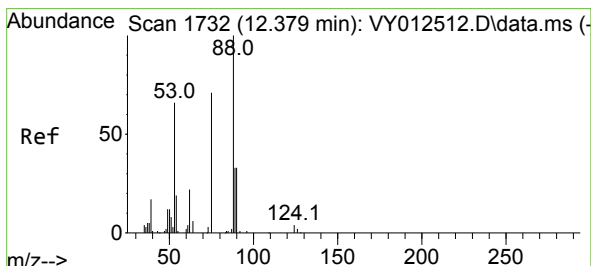
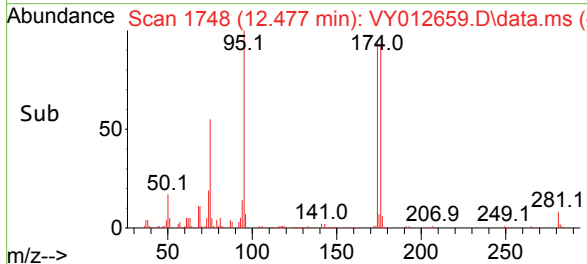
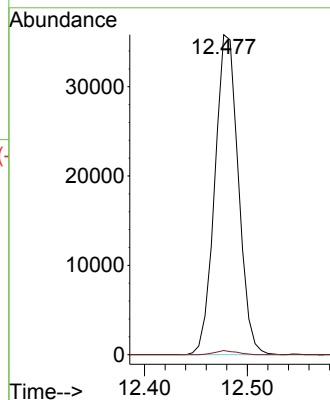
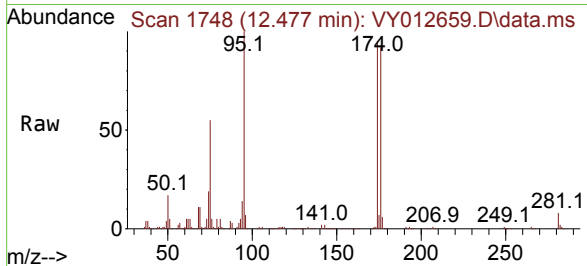




#76  
1,2,3-Trichloropropane  
Concen: 38.124 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.158 min  
Lab File: VY012659.D  
Acq: 17 Feb 2023 18:26

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LEONIA-TRENCH-LINE

Tgt Ion: 75 Resp: 56834  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 85.971 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.098 min  
Lab File: VY012659.D  
Acq: 17 Feb 2023 18:26

Tgt Ion: 75 Resp: 56834  
Ion Ratio Lower Upper  
75 100  
53 0.0 73.1 109.7#  
89 0.0 39.9 59.9#

