

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031423\  
 Data File : VY012942.D  
 Acq On : 14 Mar 2023 15:00  
 Operator : KP/MD  
 Sample : 01874-01RE  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VNJ-209

Quant Time: Mar 15 01:43:21 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 03 01:13:13 2023  
 Response via : Initial Calibration

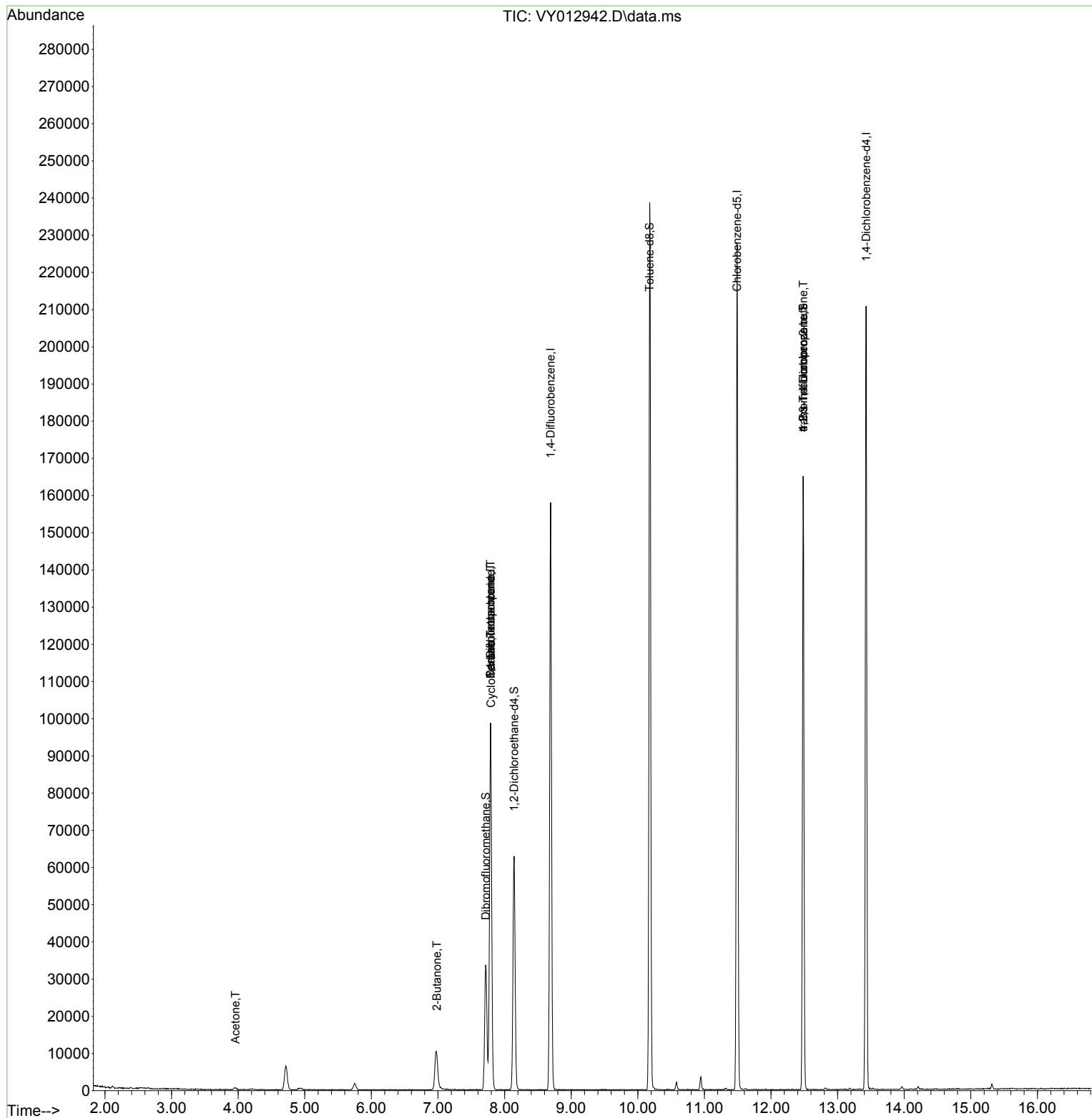
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 75874    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 129070   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 120514   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 54626    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.143  | 65    | 48869    | 64.871    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 129.740% |
| 35) Dibromofluoromethane      | 7.716  | 113   | 23483    | 30.148    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 60.300%  |
| 50) Toluene-d8                | 10.179 | 98    | 158262   | 55.577    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 111.160% |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 45989    | 47.848    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 95.700%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 11) Tert butyl alcohol        | 4.936  | 59    | 582      | Below Cal | #      | 74       |
| 16) Acetone                   | 3.960  | 43    | 1025     | 3.466     | ug/l   | 97       |
| 20) Methylene Chloride        | 4.722  | 84    | 4727     | Below Cal |        | 95       |
| 25) 2-Butanone                | 6.984  | 43    | 666      | 1.819     | ug/l   | # 49     |
| 31) Cyclohexane               | 7.795  | 56    | 1802     | 1.249     | ug/l   | # 12     |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 6023     | 4.614     | ug/l   | # 51     |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 7254     | 5.381     | ug/l   | # 16     |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 24661    | 37.805    | ug/l   | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 24661    | 78.333    | ug/l   | # 13     |
| -----                         |        |       |          |           |        |          |

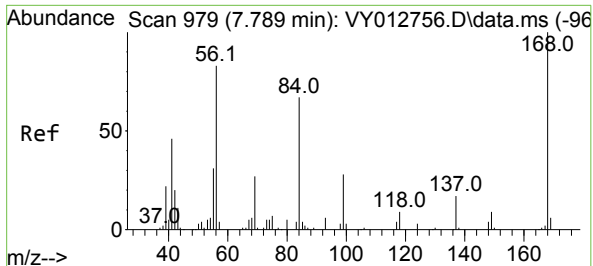
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Mar 03 01:13:13 2023  
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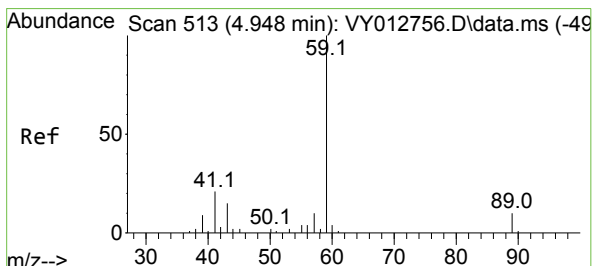
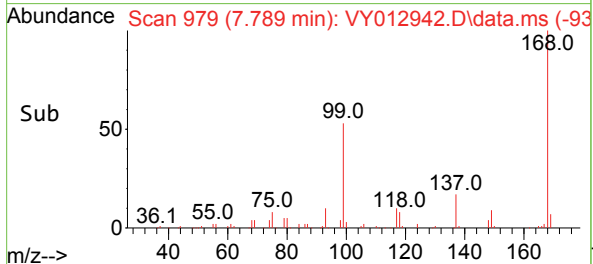
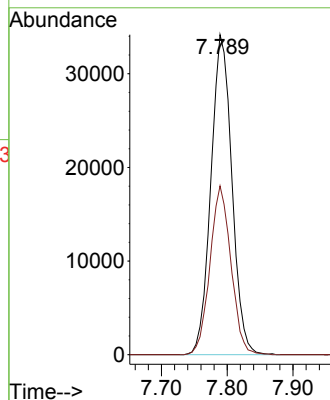
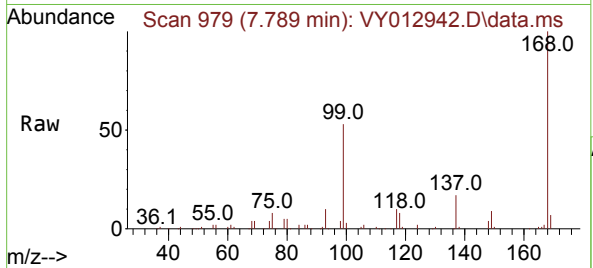




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY012942.D  
Acq: 14 Mar 2023 15:00

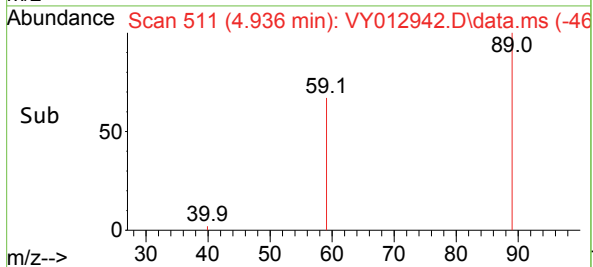
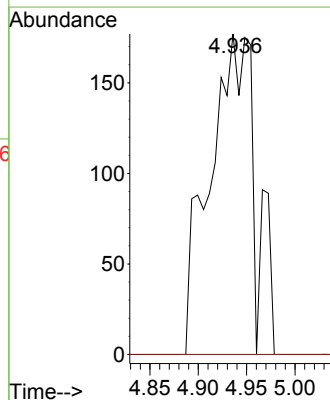
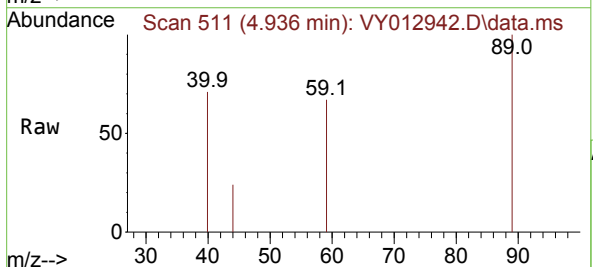
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-209

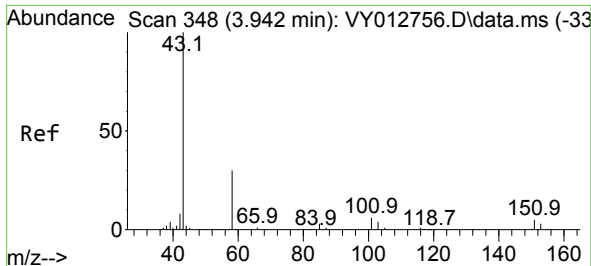
Tgt Ion:168 Resp: 75874  
Ion Ratio Lower Upper  
168 100  
99 52.8 41.7 62.5



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.936 min Scan# 511  
Delta R.T. -0.012 min  
Lab File: VY012942.D  
Acq: 14 Mar 2023 15:00

Tgt Ion: 59 Resp: 582  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.7 11.5#





#16

Acetone

Concen: 3.466 ug/l

RT: 3.960 min Scan# 3

Delta R.T. 0.018 min

Lab File: VY012942.D

Acq: 14 Mar 2023 15:00

Instrument :

MSVOA\_Y

ClientSampleId :

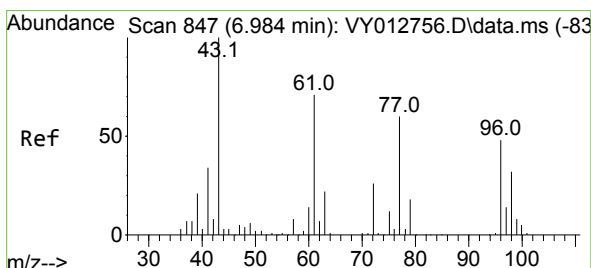
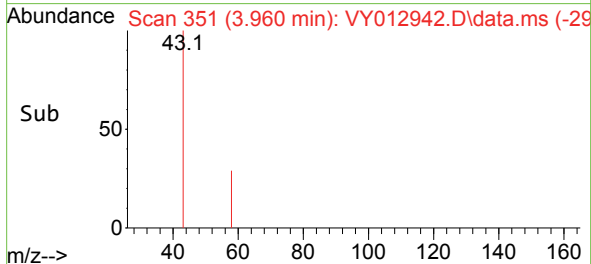
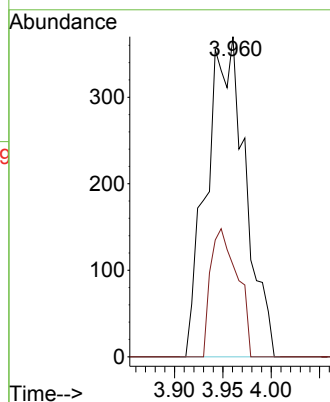
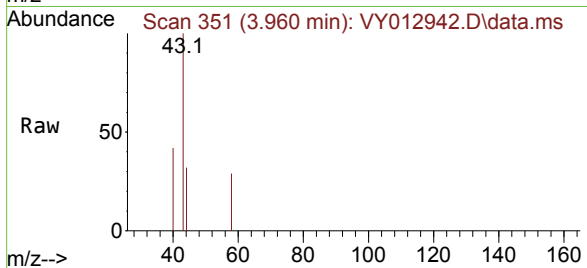
VNJ-209

Tgt Ion: 43 Resp: 1025

Ion Ratio Lower Upper

43 100

58 28.6 24.2 36.2



#25

2-Butanone

Concen: 1.819 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012942.D

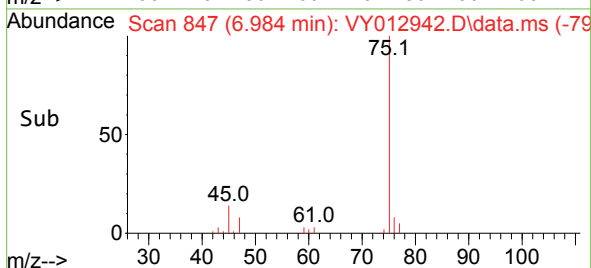
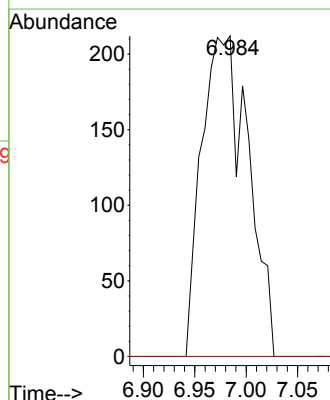
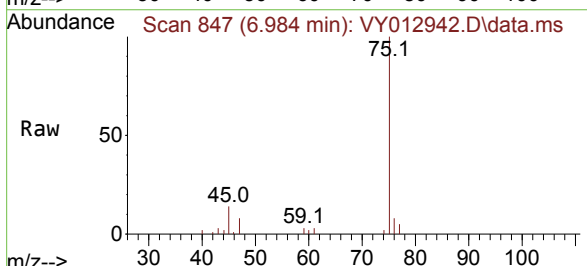
Acq: 14 Mar 2023 15:00

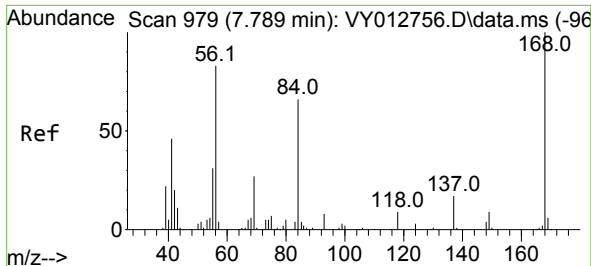
Tgt Ion: 43 Resp: 666

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#

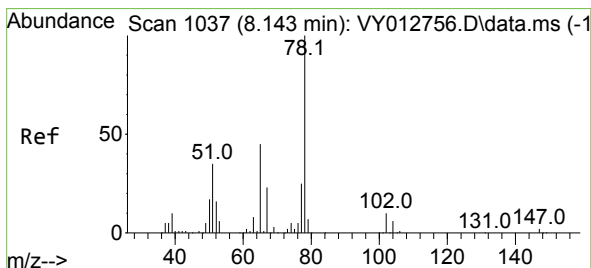
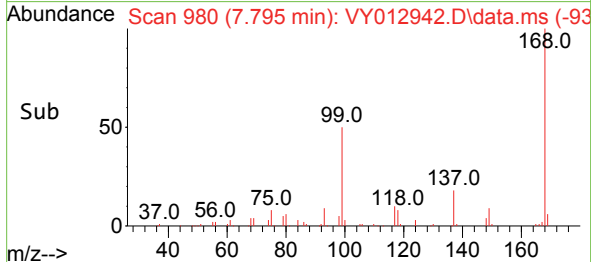
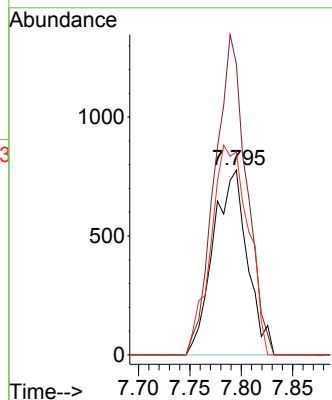
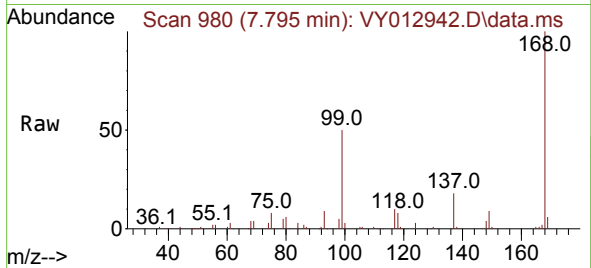




#31  
Cyclohexane  
Concen: 1.249 ug/l  
RT: 7.795 min Scan# 979  
Delta R.T. 0.006 min  
Lab File: VY012942.D  
Acq: 14 Mar 2023 15:00

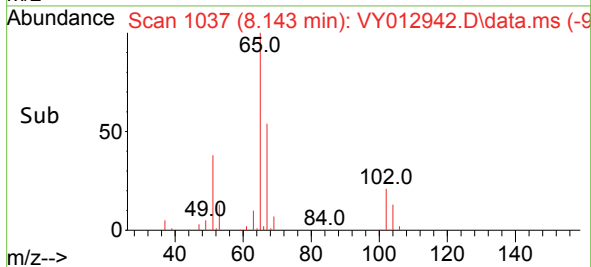
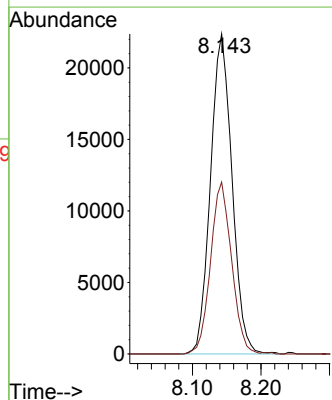
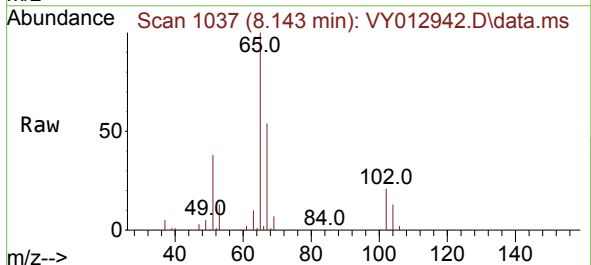
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-209

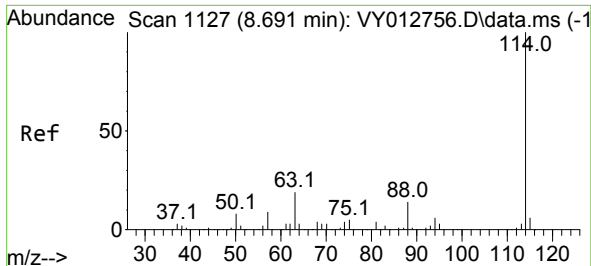
Tgt Ion: 56 Resp: 1802  
Ion Ratio Lower Upper  
56 100  
69 157.5 25.7 38.5#  
84 110.0 64.3 96.5#



#33  
1,2-Dichloroethane-d4  
Concen: 64.871 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY012942.D  
Acq: 14 Mar 2023 15:00

Tgt Ion: 65 Resp: 48869  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 104.0

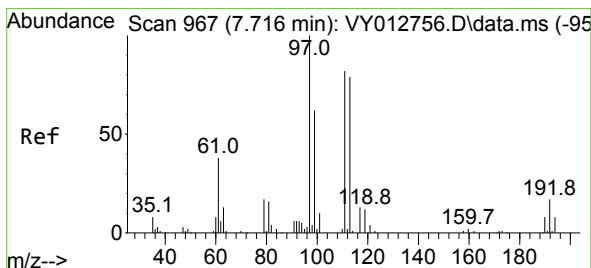
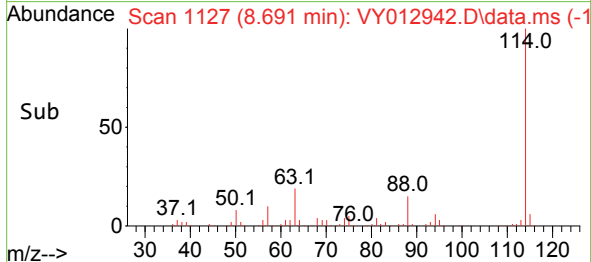
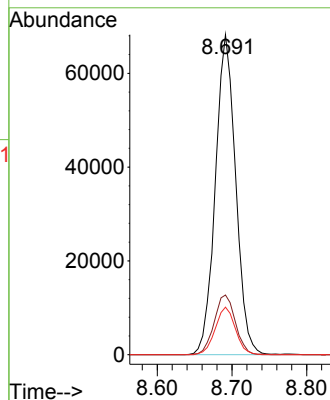
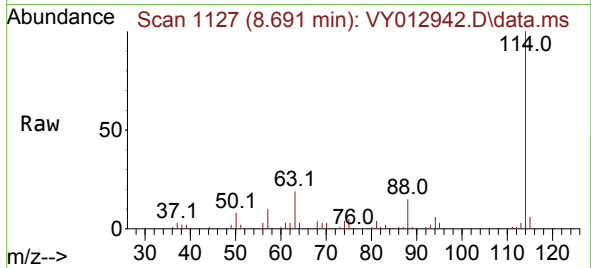




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VY012942.D  
Acq: 14 Mar 2023 15:00

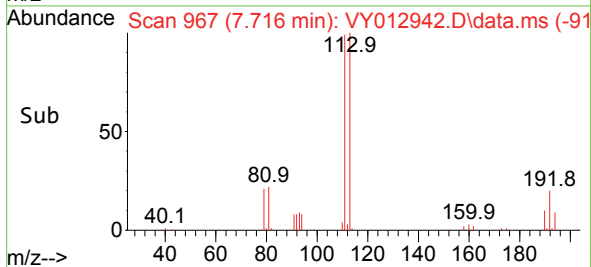
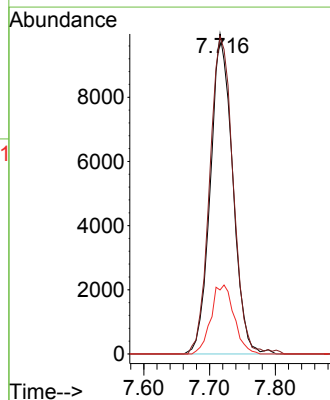
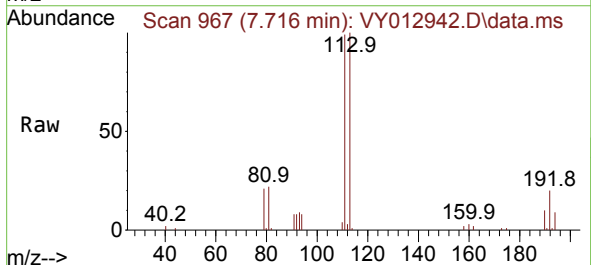
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-209

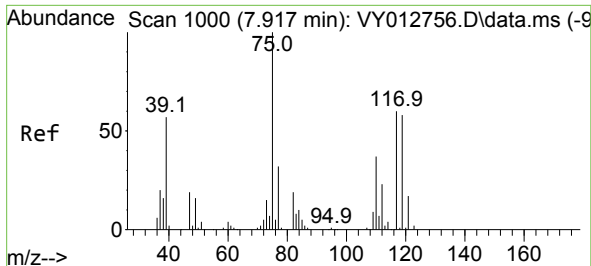
Tgt Ion:114 Resp: 129070  
Ion Ratio Lower Upper  
114 100  
63 18.6 0.0 37.4  
88 14.8 0.0 28.6



#35  
Dibromofluoromethane  
Concen: 30.148 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. 0.000 min  
Lab File: VY012942.D  
Acq: 14 Mar 2023 15:00

Tgt Ion:113 Resp: 23483  
Ion Ratio Lower Upper  
113 100  
111 104.5 82.2 123.2  
192 22.4 16.8 25.2

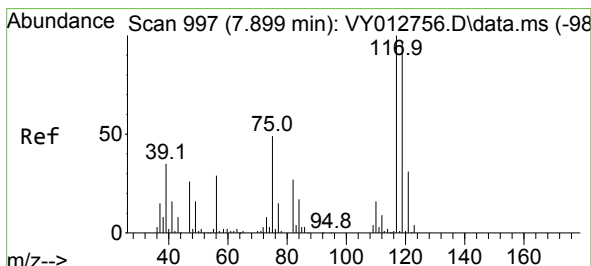
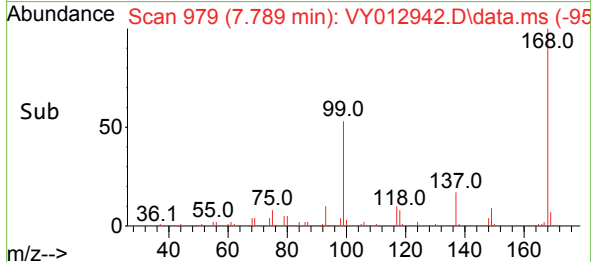
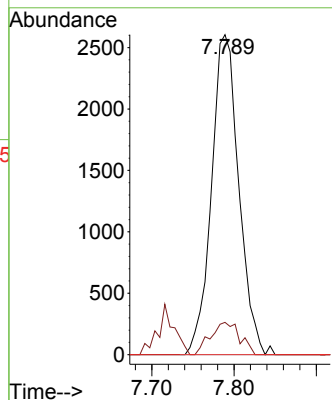
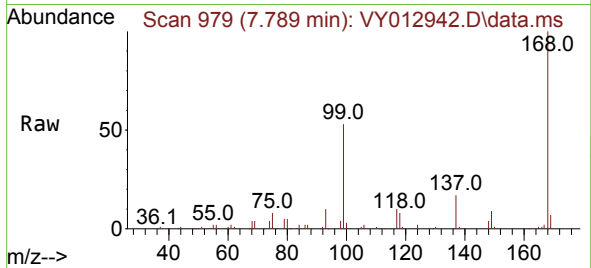




#36  
 1,1-Dichloropropene  
 Concen: 4.614 ug/l  
 RT: 7.789 min Scan# 91  
 Delta R.T. -0.128 min  
 Lab File: VY012942.D  
 Acq: 14 Mar 2023 15:00

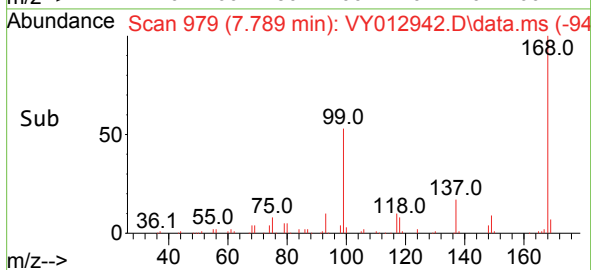
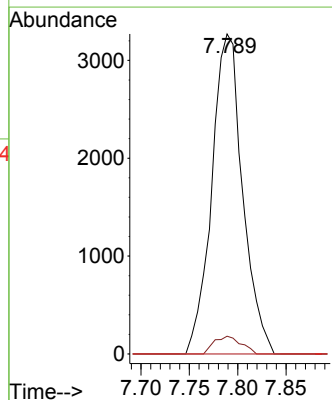
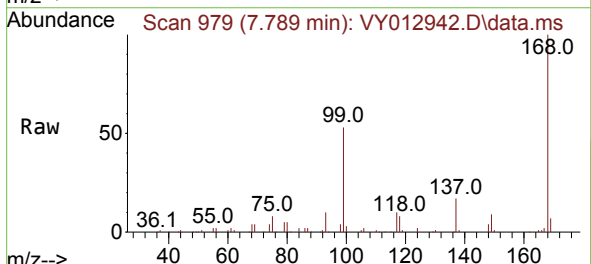
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 MSVOA\_Y  
 ClientSampleId :  
 VNJ-209

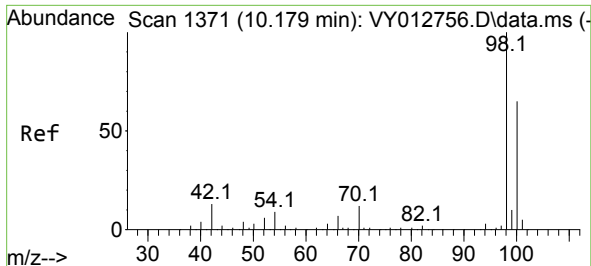
Tgt Ion: 75 Resp: 6023  
 Ion Ratio Lower Upper  
 75 100  
 110 10.9 17.8 53.3#  
 77 0.0 25.0 37.4#



#38  
 Carbon Tetrachloride  
 Concen: 5.381 ug/l  
 RT: 7.789 min Scan# 979  
 Delta R.T. -0.110 min  
 Lab File: VY012942.D  
 Acq: 14 Mar 2023 15:00

Tgt Ion: 117 Resp: 7254  
 Ion Ratio Lower Upper  
 117 100  
 119 5.5 77.2 115.8#  
 121 0.0 24.7 37.1#

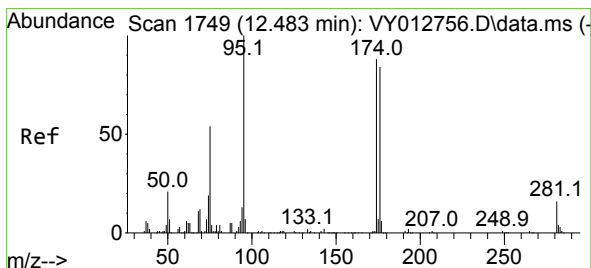
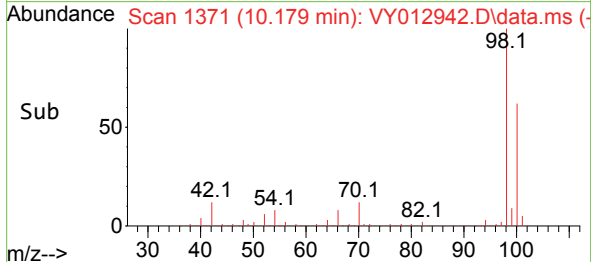
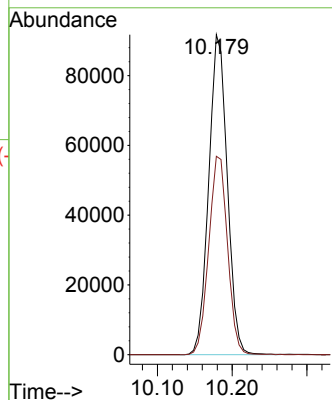
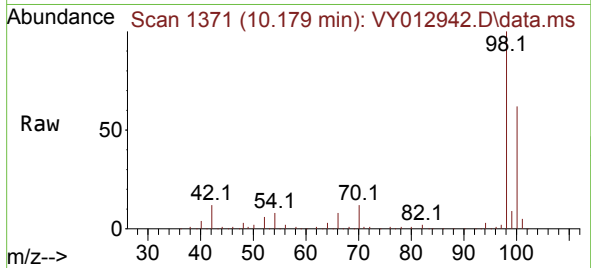




#50  
Toluene-d8  
Concen: 55.577 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY012942.D  
Acq: 14 Mar 2023 15:00

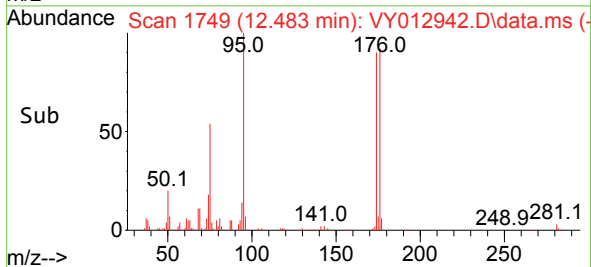
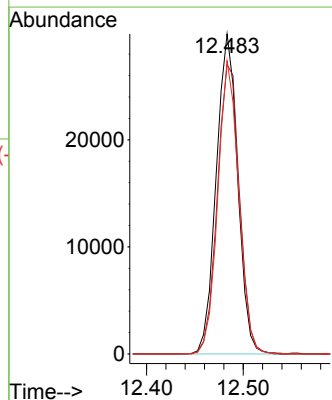
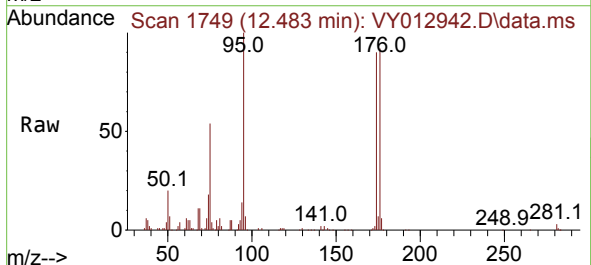
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-209

Tgt Ion: 98 Resp: 158262  
Ion Ratio Lower Upper  
98 100  
100 62.8 50.9 76.3

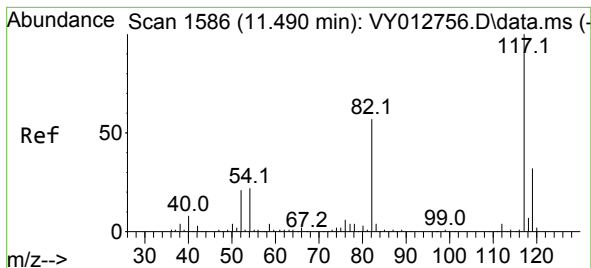


#62  
4-Bromofluorobenzene  
Concen: 47.848 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY012942.D  
Acq: 14 Mar 2023 15:00

Tgt Ion: 95 Resp: 45989  
Ion Ratio Lower Upper  
95 100  
174 93.7 0.0 176.6  
176 89.5 0.0 170.2







#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY012942.D

Acq: 14 Mar 2023 15:00

Instrument :

MSVOA\_Y

ClientSampleId :

VNJ-209

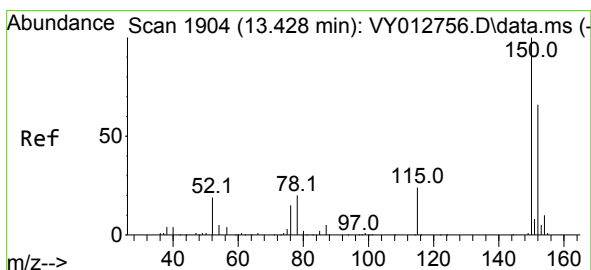
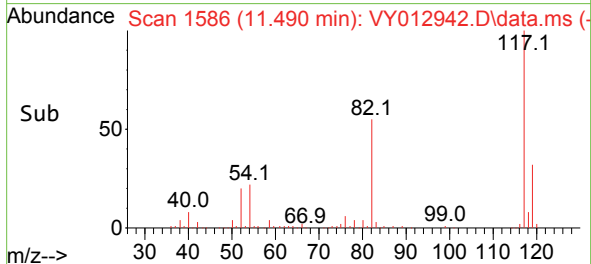
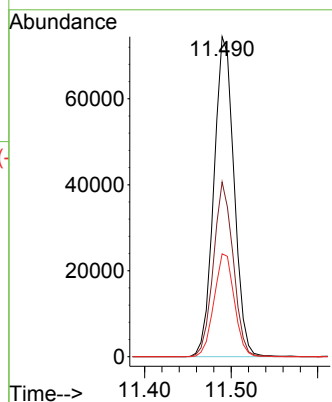
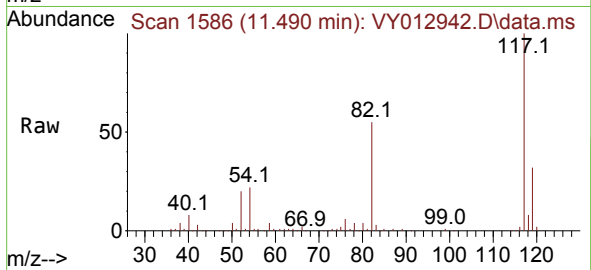
Tgt Ion:117 Resp: 120514

Ion Ratio Lower Upper

117 100

82 54.6 45.4 68.0

119 32.2 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY012942.D

Acq: 14 Mar 2023 15:00

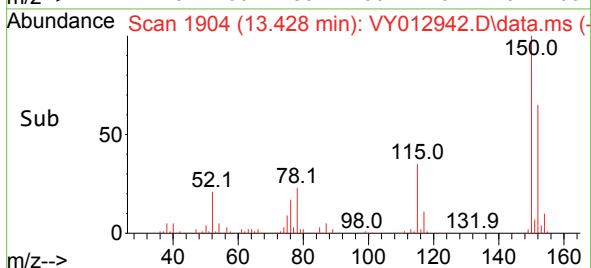
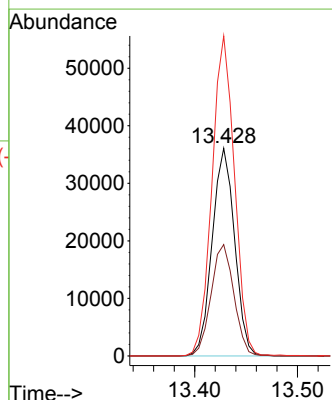
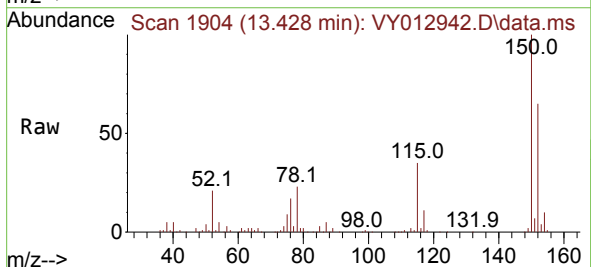
Tgt Ion:152 Resp: 54626

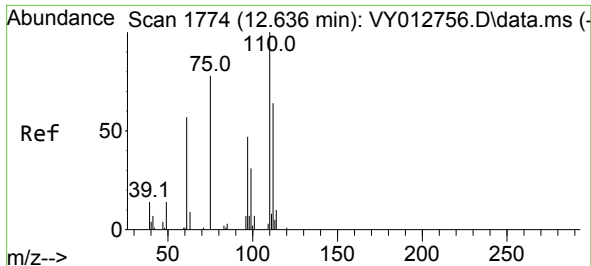
Ion Ratio Lower Upper

152 100

115 54.8 27.1 81.3

150 155.0 0.0 347.8

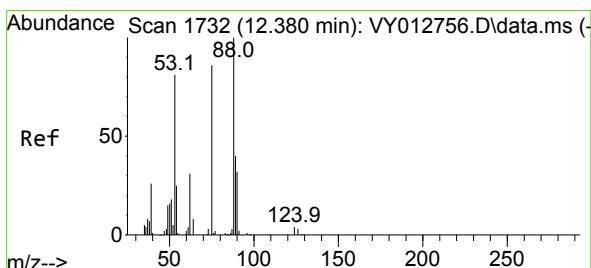
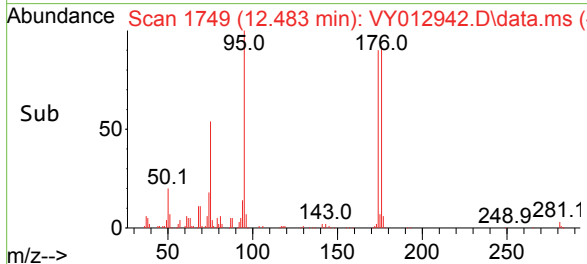
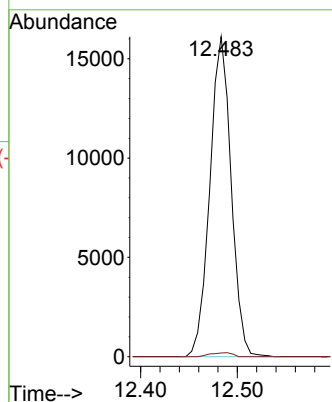
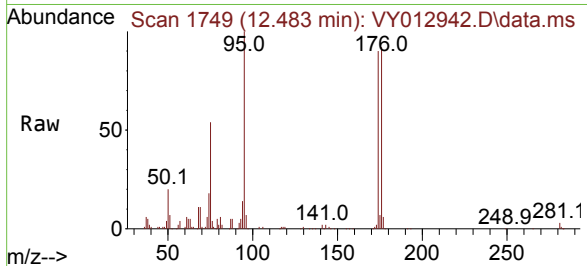




#76  
1,2,3-Trichloropropane  
Concen: 37.805 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY012942.D  
Acq: 14 Mar 2023 15:00

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-209

Tgt Ion: 75 Resp: 24661  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 78.333 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY012942.D  
Acq: 14 Mar 2023 15:00

Tgt Ion: 75 Resp: 24661  
Ion Ratio Lower Upper  
75 100  
53 0.0 73.4 110.0#  
89 0.0 36.6 55.0#

