

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD032824\  
 Data File : VD078774.D  
 Acq On : 28 Mar 2024 15:07  
 Operator : RP/MD  
 Sample : P1894-06  
 Misc : 5.08G/5ml/MSVOA\_D/SOIL/B  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RT3414

Quant Time: Mar 29 01:35:04 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031424S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 15 05:38:03 2024  
 Response via : Initial Calibration

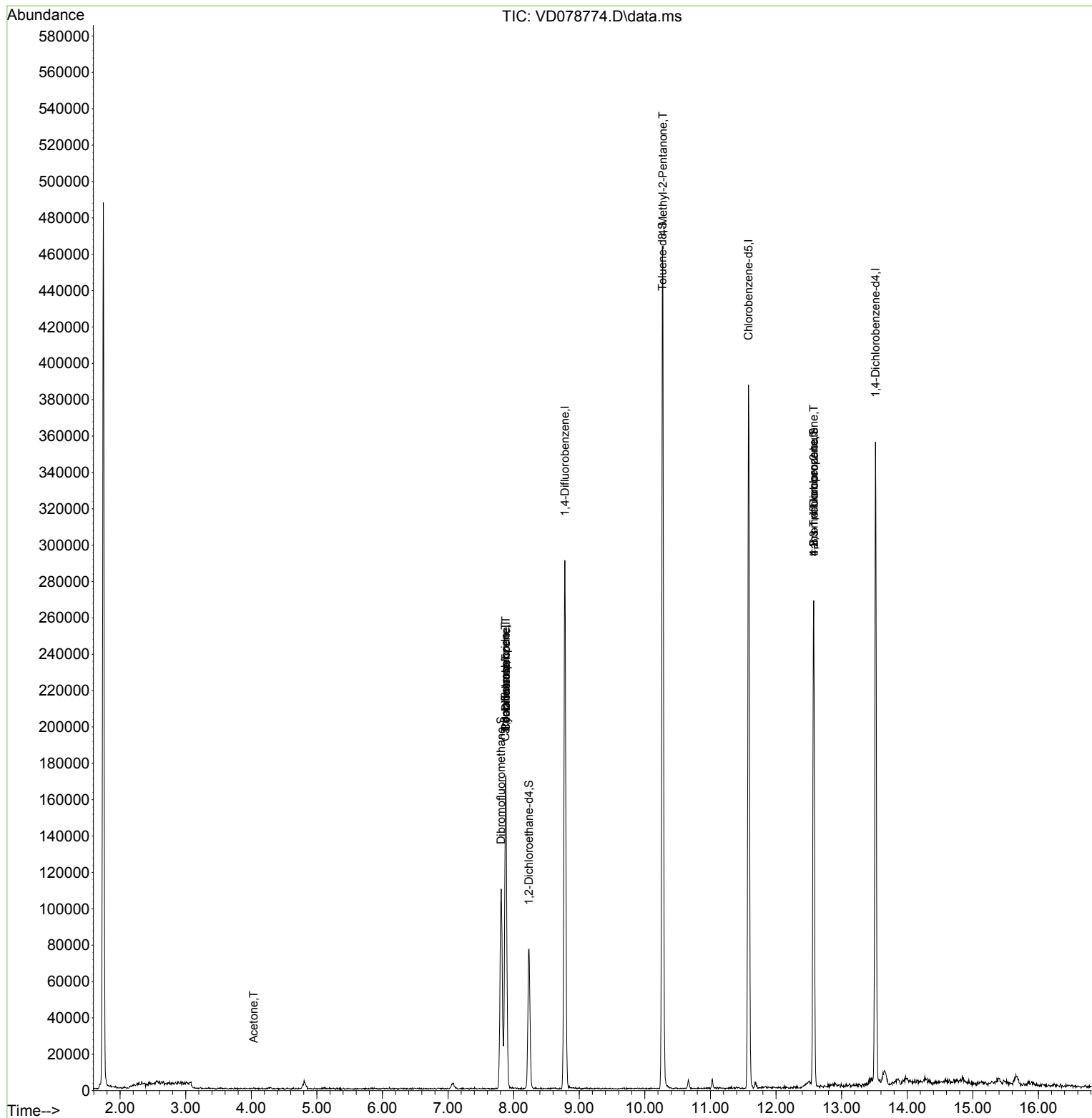
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.881  | 168   | 137759   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.781  | 114   | 265477   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.581 | 117   | 235407   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 96353    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.234  | 65    | 59879    | 46.381    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 92.760%  |
| 35) Dibromofluoromethane      | 7.810  | 113   | 82491    | 48.261    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 96.520%  |
| 50) Toluene-d8                | 10.269 | 98    | 323559   | 51.471    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 102.940% |
| 62) 4-Bromofluorobenzene      | 12.575 | 95    | 80714    | 43.889    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | =      | 87.780%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 16) Acetone                   | 4.034  | 43    | 508      | 2.035     | ug/l # | 39       |
| 20) Methylene Chloride        | 4.805  | 84    | 3500     | Below Cal | #      | 93       |
| 31) Cyclohexane               | 7.881  | 56    | 2794     | 1.288     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.881  | 75    | 10139    | 4.088     | ug/l # | 43       |
| 38) Carbon Tetrachloride      | 7.875  | 117   | 13384    | 5.119     | ug/l # | 15       |
| 51) 4-Methyl-2-Pentanone      | 10.275 | 43    | 1145     | 1.486     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.575 | 75    | 39662    | 53.428    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.575 | 75    | 39662    | 111.994   | ug/l # | 19       |
| -----                         |        |       |          |           |        |          |

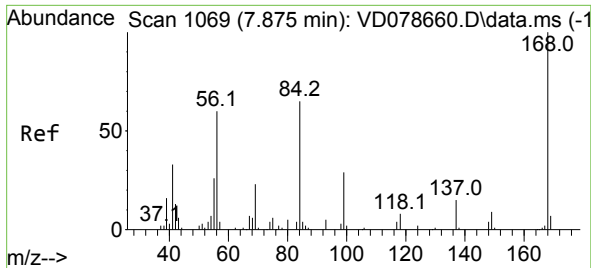
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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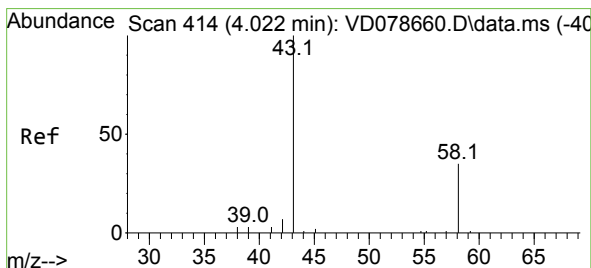
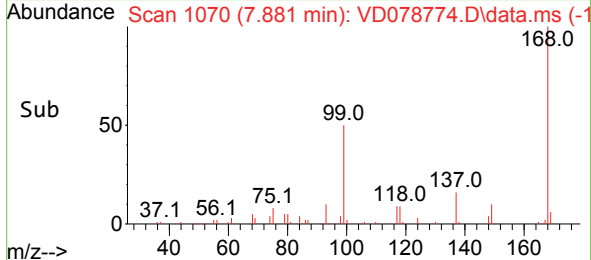
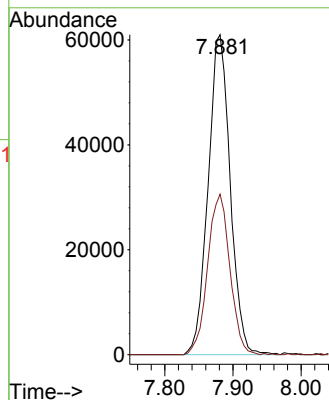
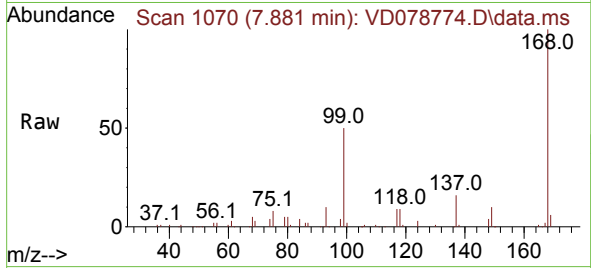




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.881 min Scan# 1069  
Delta R.T. 0.006 min  
Lab File: VD078774.D  
Acq: 28 Mar 2024 15:07

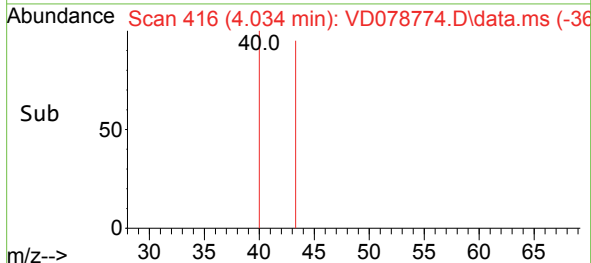
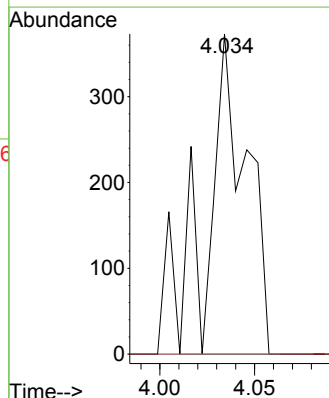
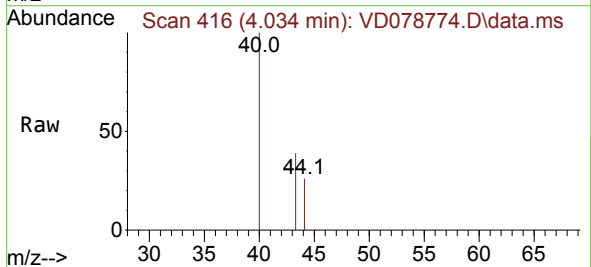
Instrument :  
MSVOA\_D  
ClientSampleId :  
RT3414

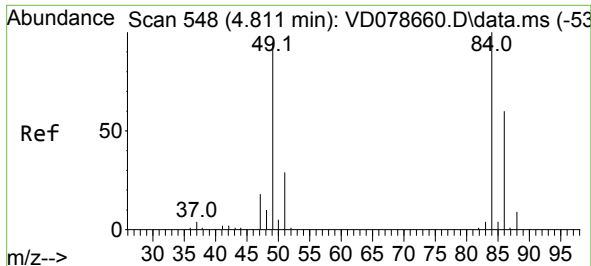
Tgt Ion:168 Resp: 137759  
Ion Ratio Lower Upper  
168 100  
99 50.1 38.8 58.2



#16  
Acetone  
Concen: 2.035 ug/l  
RT: 4.034 min Scan# 416  
Delta R.T. 0.012 min  
Lab File: VD078774.D  
Acq: 28 Mar 2024 15:07

Tgt Ion: 43 Resp: 508  
Ion Ratio Lower Upper  
43 100  
58 0.0 28.2 42.4#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.805 min Scan# 54

Delta R.T. -0.006 min

Lab File: VD078774.D

Acq: 28 Mar 2024 15:07

Instrument :

MSVOA\_D

ClientSampleId :

RT3414

Tgt Ion: 84 Resp: 3500

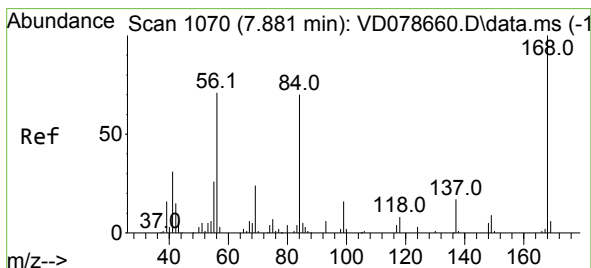
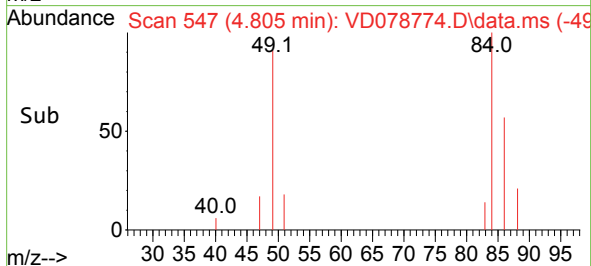
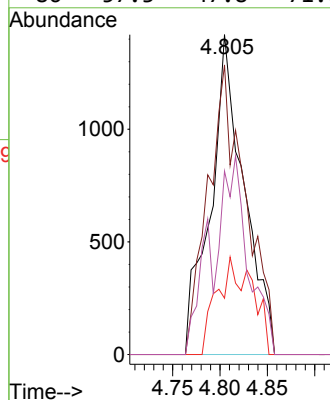
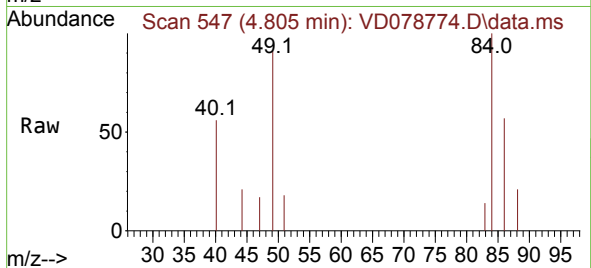
Ion Ratio Lower Upper

84 100

49 90.6 75.6 113.4

51 17.6 23.4 35.0#

86 57.3 47.8 71.6



#31

Cyclohexane

Concen: 1.288 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.000 min

Lab File: VD078774.D

Acq: 28 Mar 2024 15:07

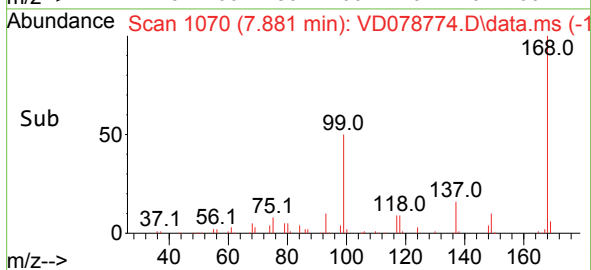
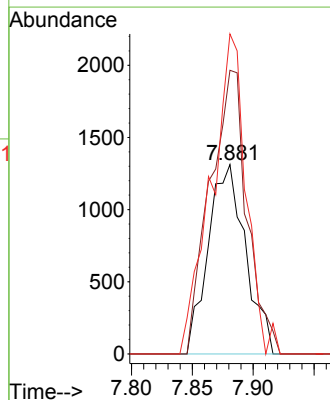
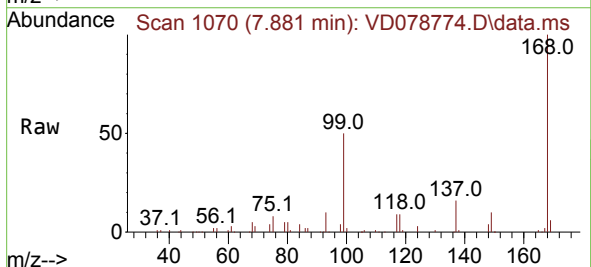
Tgt Ion: 56 Resp: 2794

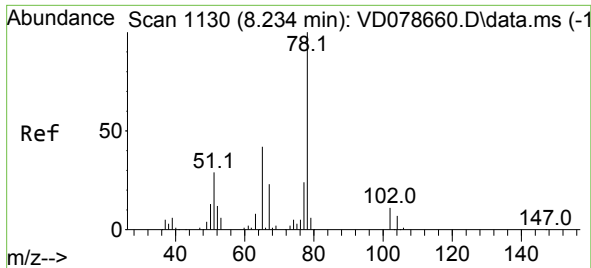
Ion Ratio Lower Upper

56 100

69 149.8 26.6 40.0#

84 169.0 79.4 119.2#





#33

1,2-Dichloroethane-d4

Concen: 46.381 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD078774.D

Acq: 28 Mar 2024 15:07

Instrument :

MSVOA\_D

ClientSampleId :

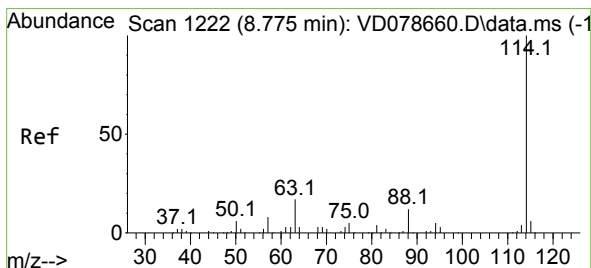
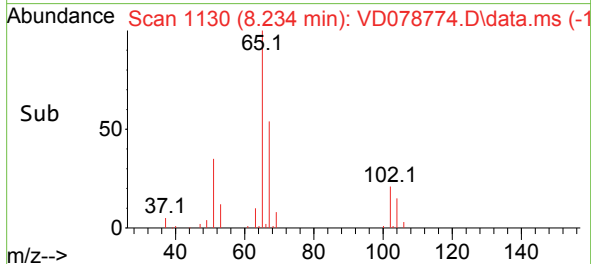
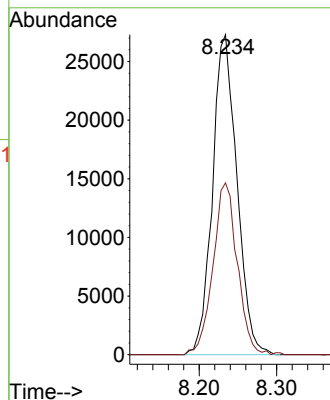
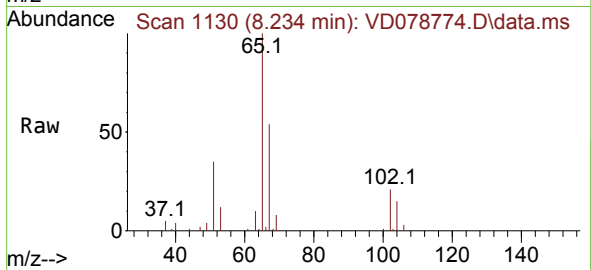
RT3414

Tgt Ion: 65 Resp: 59879

Ion Ratio Lower Upper

65 100

67 53.5 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD078774.D

Acq: 28 Mar 2024 15:07

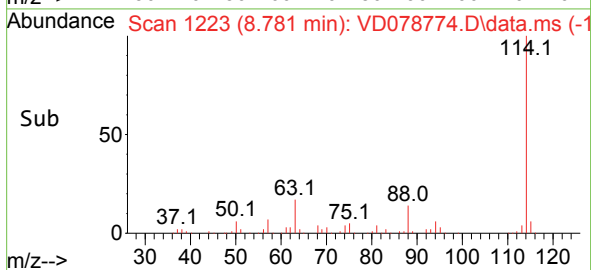
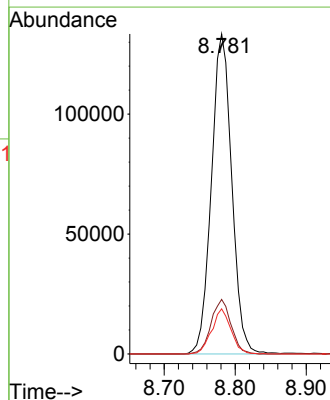
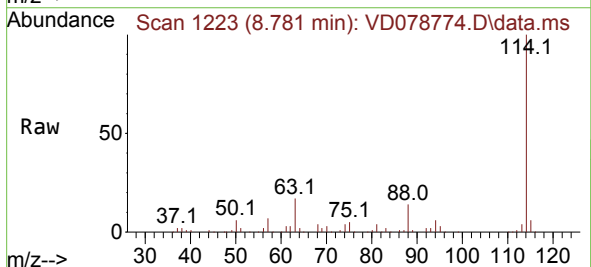
Tgt Ion: 114 Resp: 265477

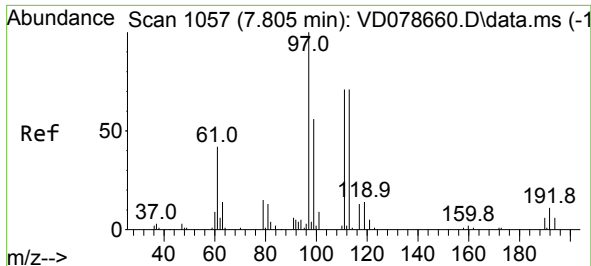
Ion Ratio Lower Upper

114 100

63 17.0 0.0 33.4

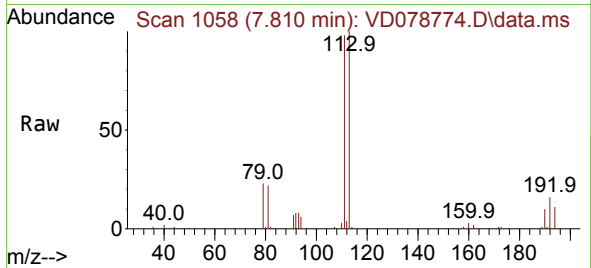
88 14.1 0.0 24.6



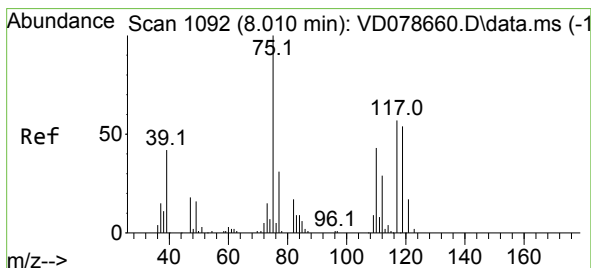
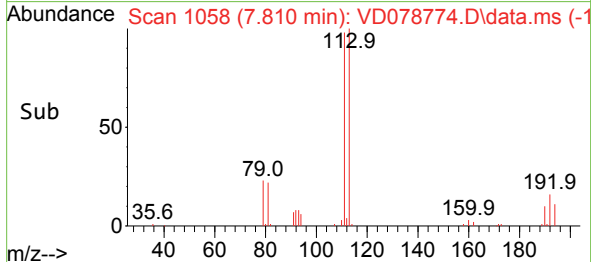
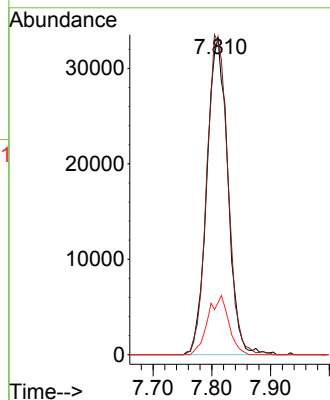


#35  
 Dibromofluoromethane  
 Concen: 48.261 ug/l  
 RT: 7.810 min Scan# 1058  
 Delta R.T. 0.006 min  
 Lab File: VD078774.D  
 Acq: 28 Mar 2024 15:07

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RT3414

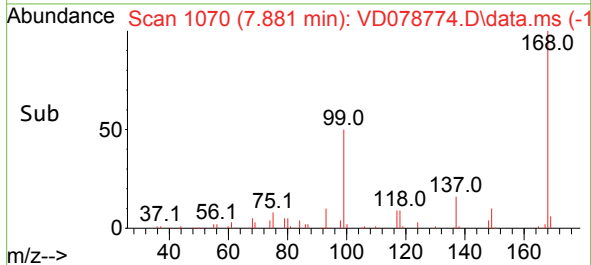
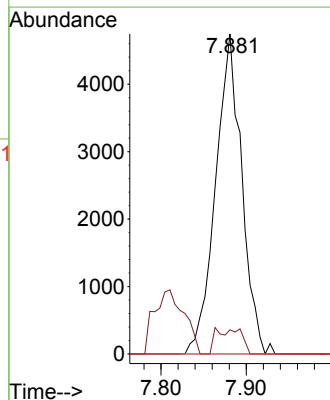
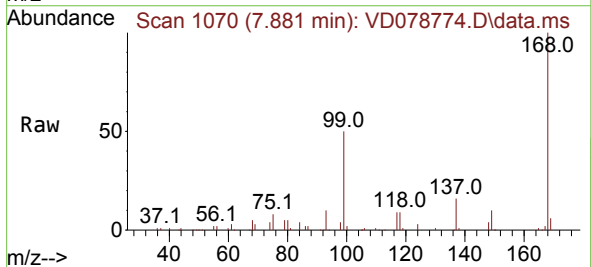


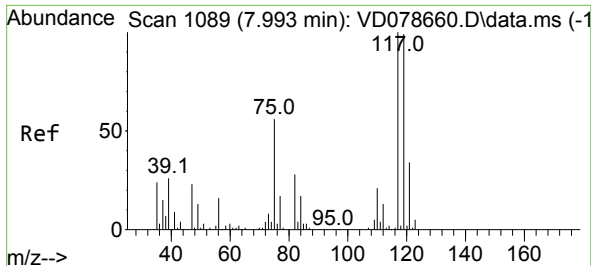
Tgt Ion:113 Resp: 82491  
 Ion Ratio Lower Upper  
 113 100  
 111 101.2 81.9 122.9  
 192 18.5 15.4 23.0



#36  
 1,1-Dichloropropene  
 Concen: 4.088 ug/l  
 RT: 7.881 min Scan# 1070  
 Delta R.T. -0.129 min  
 Lab File: VD078774.D  
 Acq: 28 Mar 2024 15:07

Tgt Ion: 75 Resp: 10139  
 Ion Ratio Lower Upper  
 75 100  
 110 3.4 19.1 57.1#  
 77 0.0 25.4 38.2#

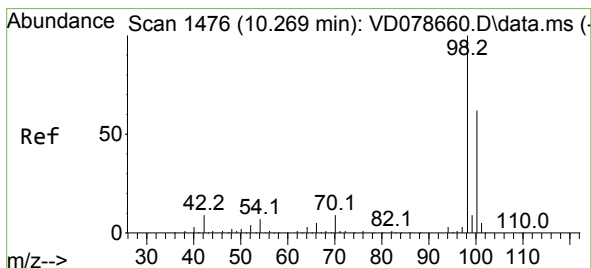
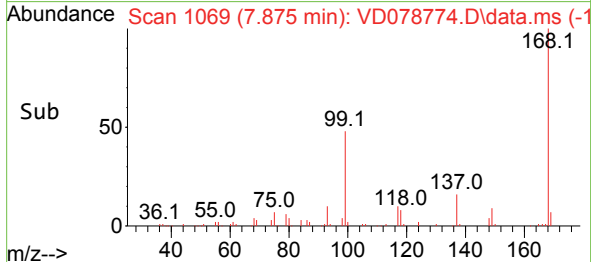
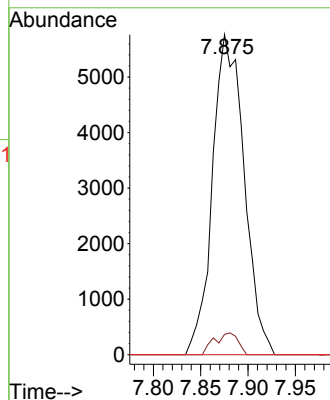
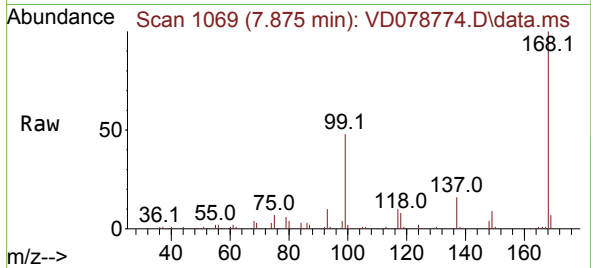




#38  
Carbon Tetrachloride  
Concen: 5.119 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.118 min  
Lab File: VD078774.D  
Acq: 28 Mar 2024 15:07

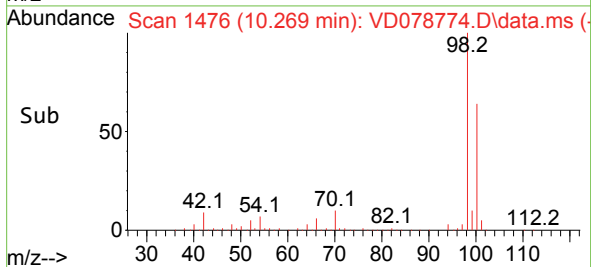
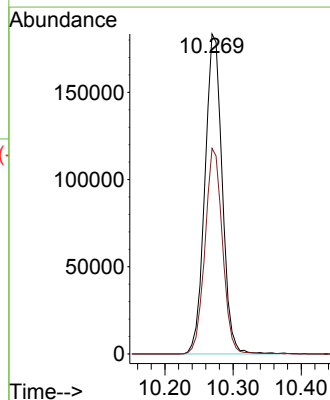
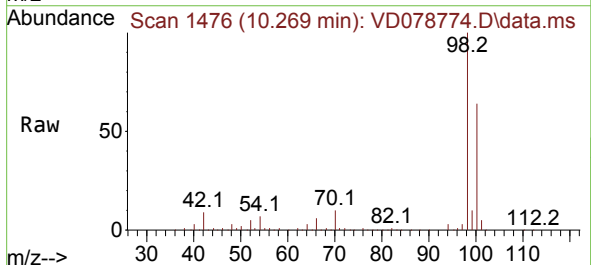
Instrument :  
MSVOA\_D  
ClientSampleId :  
RT3414

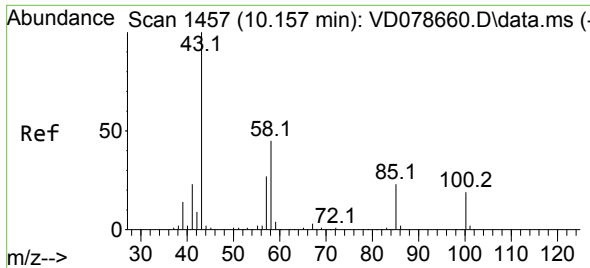
Tgt Ion:117 Resp: 13384  
Ion Ratio Lower Upper  
117 100  
119 6.4 79.2 118.8#  
121 0.0 26.8 40.2#



#50  
Toluene-d8  
Concen: 51.471 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VD078774.D  
Acq: 28 Mar 2024 15:07

Tgt Ion: 98 Resp: 323559  
Ion Ratio Lower Upper  
98 100  
100 65.0 50.5 75.7

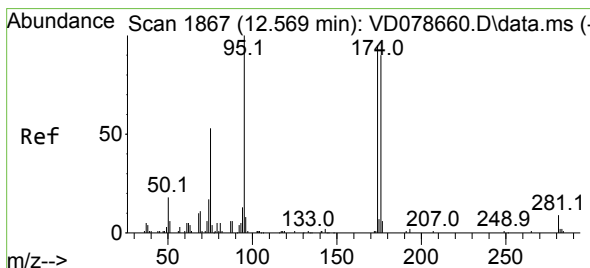
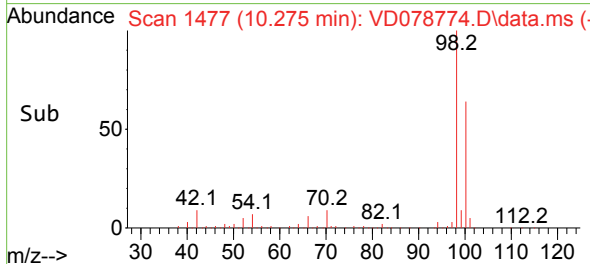
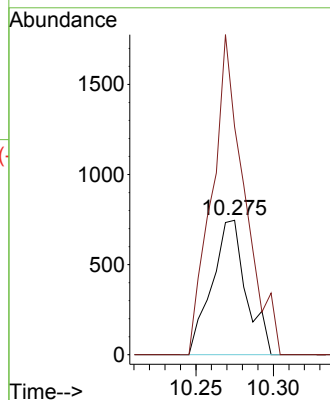
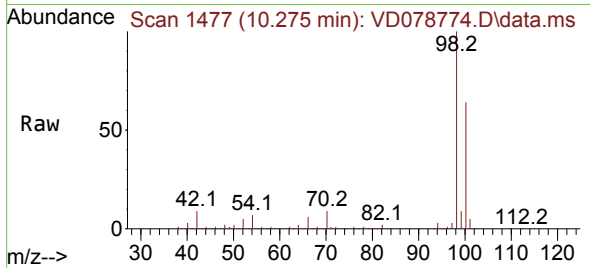




#51  
4-Methyl-2-Pentanone  
Concen: 1.486 ug/l  
RT: 10.275 min Scan# 1457  
Delta R.T. 0.118 min  
Lab File: VD078774.D  
Acq: 28 Mar 2024 15:07

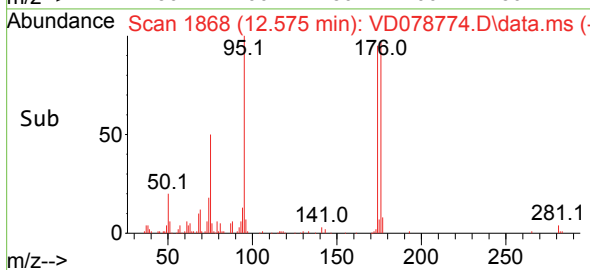
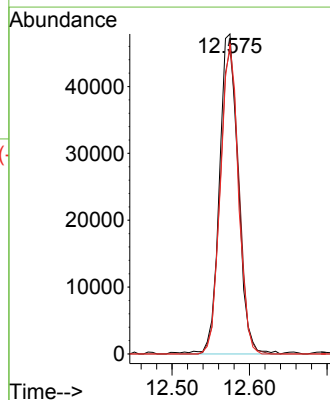
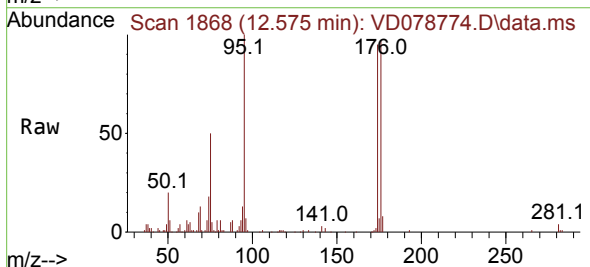
Instrument :  
MSVOA\_D  
ClientSampleId :  
RT3414

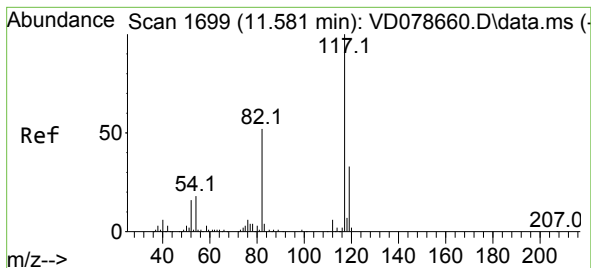
Tgt Ion: 43 Resp: 1145  
Ion Ratio Lower Upper  
43 100  
58 226.2 36.4 54.6#



#62  
4-Bromofluorobenzene  
Concen: 43.889 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.006 min  
Lab File: VD078774.D  
Acq: 28 Mar 2024 15:07

Tgt Ion: 95 Resp: 80714  
Ion Ratio Lower Upper  
95 100  
174 95.3 0.0 195.2  
176 92.7 0.0 188.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD078774.D

Acq: 28 Mar 2024 15:07

Instrument :

MSVOA\_D

ClientSampleId :

RT3414

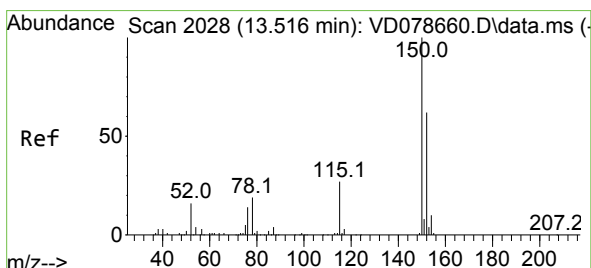
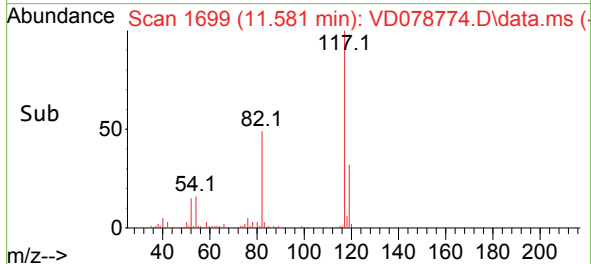
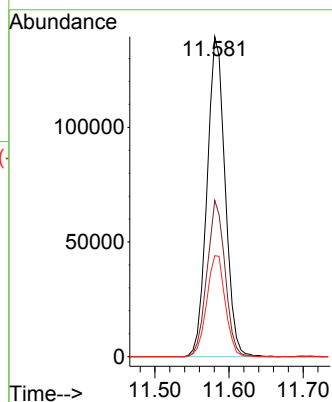
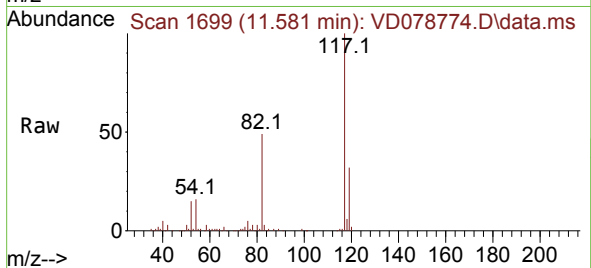
Tgt Ion:117 Resp: 235407

Ion Ratio Lower Upper

117 100

82 48.8 41.4 62.2

119 31.6 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.000 min

Lab File: VD078774.D

Acq: 28 Mar 2024 15:07

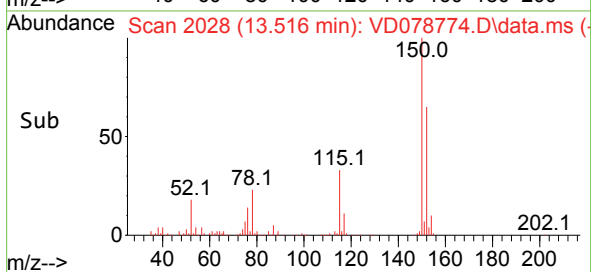
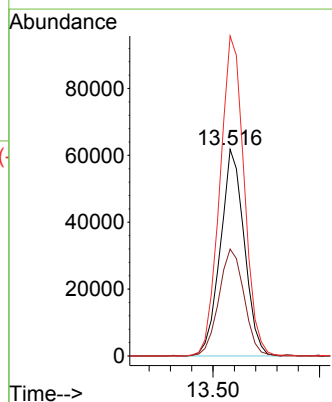
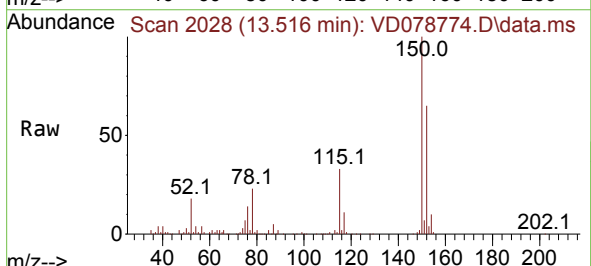
Tgt Ion:152 Resp: 96353

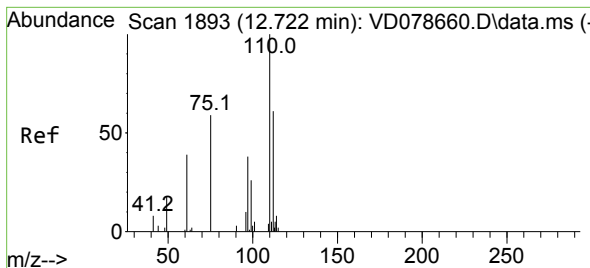
Ion Ratio Lower Upper

152 100

115 54.4 27.1 81.2

150 156.9 0.0 350.2





#76

1,2,3-Trichloropropane

Concen: 53.428 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD078774.D

Acq: 28 Mar 2024 15:07

Instrument :

MSVOA\_D

ClientSampleId :

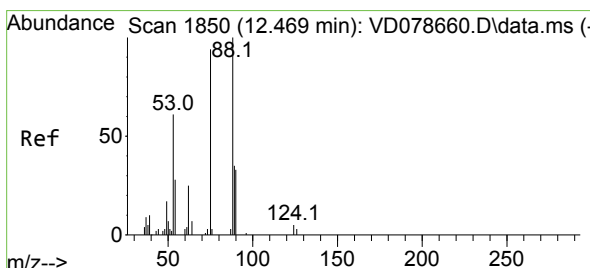
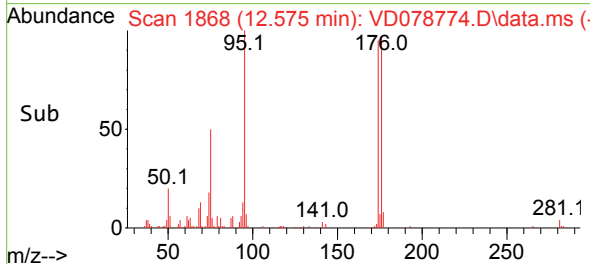
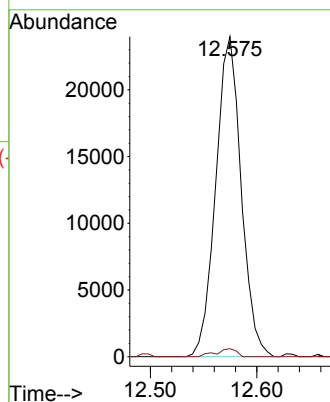
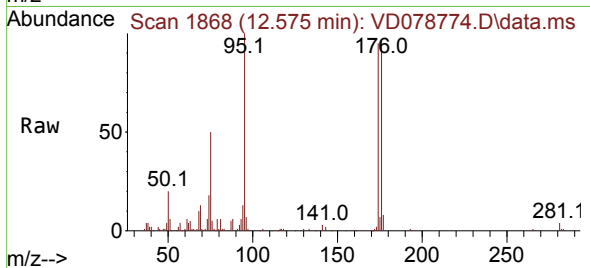
RT3414

Tgt Ion: 75 Resp: 39662

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 111.994 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.106 min

Lab File: VD078774.D

Acq: 28 Mar 2024 15:07

Tgt Ion: 75 Resp: 39662

Ion Ratio Lower Upper

75 100

53 0.0 61.0 91.6#

89 0.0 35.4 53.0#

