

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD010522\  
 Data File : VD071611.D  
 Acq On : 05 Jan 2022 13:51  
 Operator : VA/SY  
 Sample : N1004-01RE  
 Misc : 5.09G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

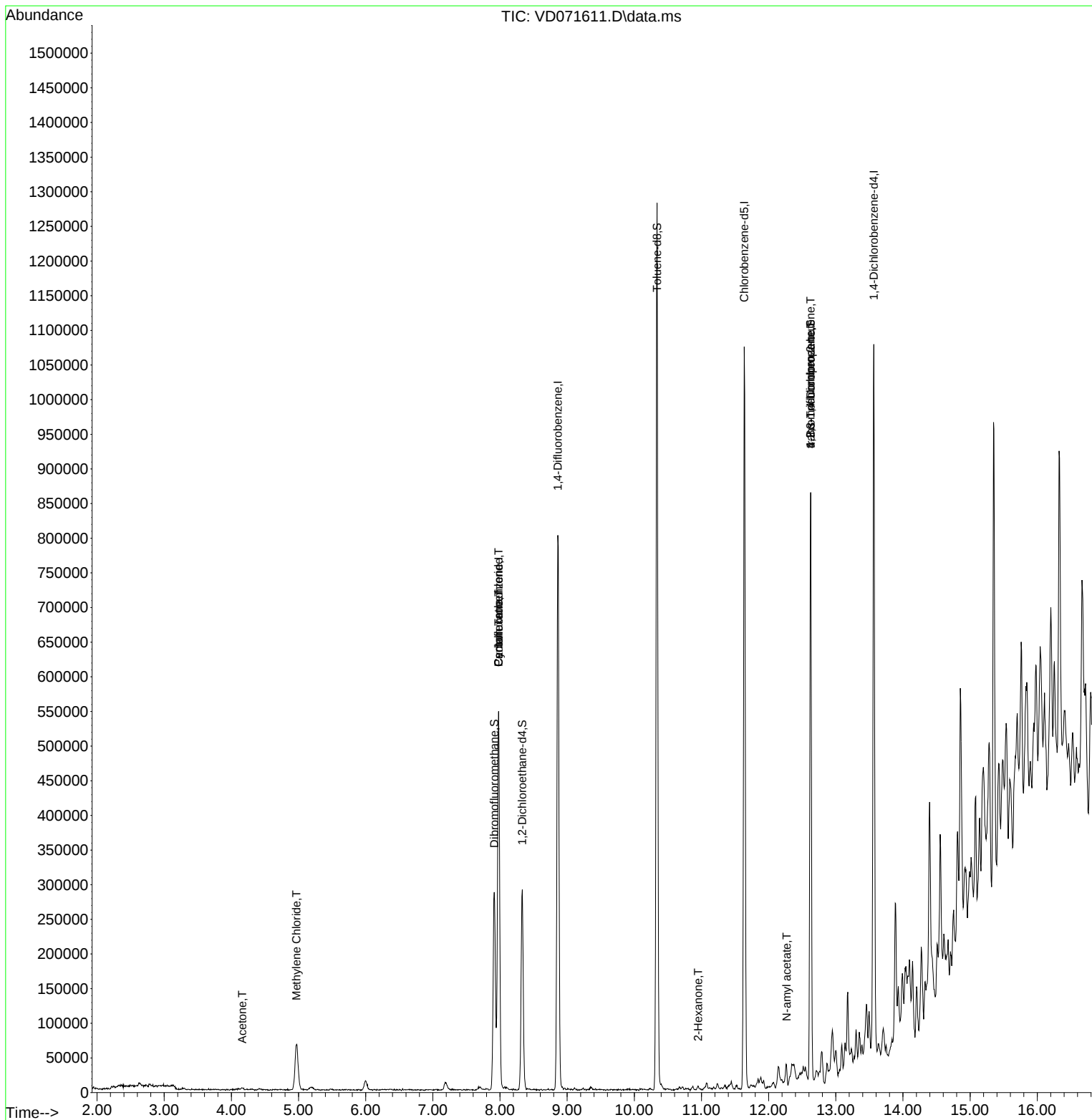
Instrument :  
 MSVOA\_D  
 ClientSampleId :

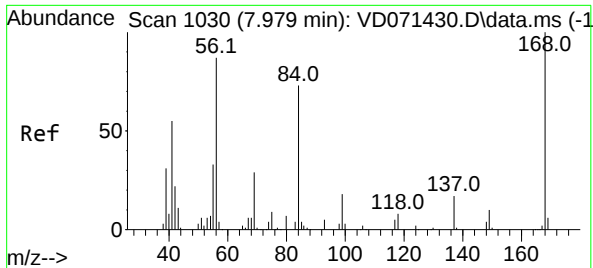
Quant Time: Jan 05 15:17:34 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122221S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 23 08:20:24 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.979  | 168   | 362300   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.861  | 114   | 639743   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.638 | 117   | 558605   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.567 | 152   | 247663   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.332  | 65    | 228065   | 47.398    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 94.800%  |
| 35) Dibromofluoromethane      | 7.914  | 113   | 199835   | 46.478    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 92.960%  |
| 50) Toluene-d8                | 10.338 | 98    | 811483   | 49.943    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 99.880%  |
| 62) 4-Bromofluorobenzene      | 12.626 | 95    | 249876   | 43.278    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 86.560%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 11) Tert butyl alcohol        | 5.191  | 59    | 4461     | Below Cal | #      | 74       |
| 16) Acetone                   | 4.162  | 43    | 5030     | 4.162     | ug/l   | 100      |
| 20) Methylene Chloride        | 4.967  | 84    | 47067    | 4.126     | ug/l   | 94       |
| 31) Cyclohexane               | 7.979  | 56    | 12471    | 1.526     | ug/l # | 31       |
| 38) Carbon Tetrachloride      | 7.979  | 117   | 40698    | 6.005     | ug/l # | 16       |
| 59) 2-Hexanone                | 10.949 | 43    | 2629     | 1.123     | ug/l # | 22       |
| 74) N-amyl acetate            | 12.267 | 43    | 6331     | 1.236     | ug/l # | 71       |
| 76) 1,2,3-Trichloropropane    | 12.626 | 75    | 145830   | 49.557    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.626 | 75    | 145830   | 140.024   | ug/l # | 18       |
| -----                         |        |       |          |           |        |          |

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

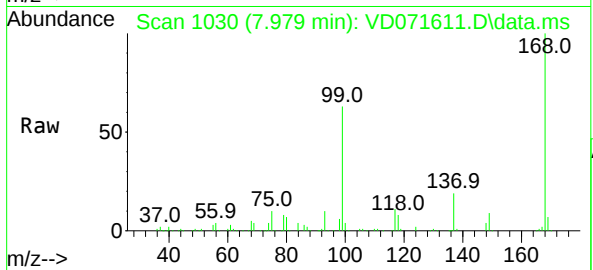
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122221S.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 23 08:20:24 2021  
Response via : Initial Calibration



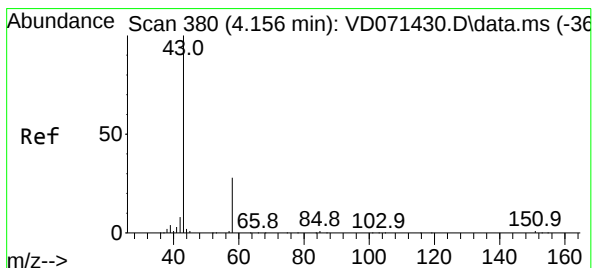
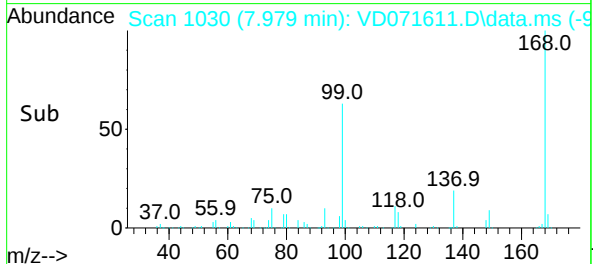
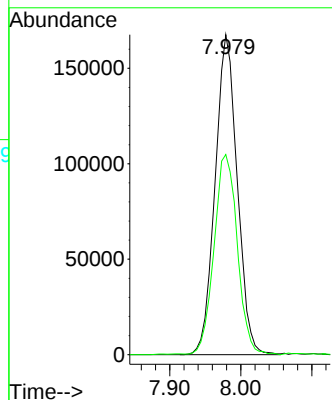


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.006 min  
Lab File: VD071611.D  
Acq: 05 Jan 2022 13:51

Instrument :  
MSVOA\_D  
ClientSampleId :

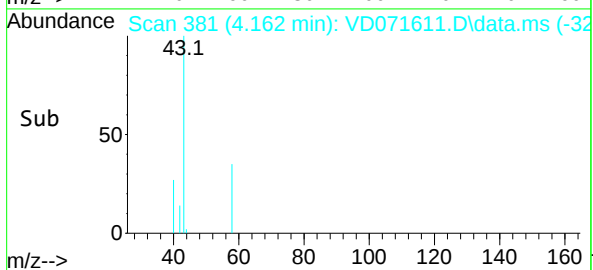
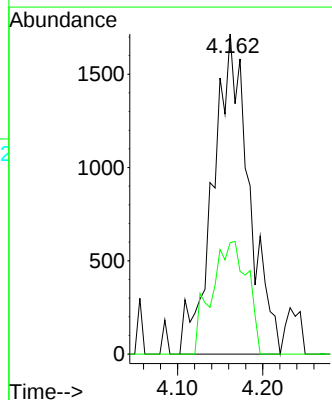
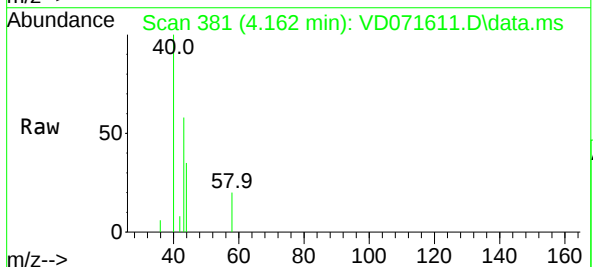


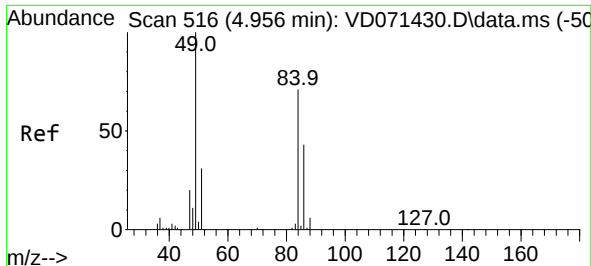
Tgt Ion:168 Resp: 362300  
Ion Ratio Lower Upper  
168 100  
99 62.6 46.6 69.8



#16  
Acetone  
Concen: 4.162 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. 0.006 min  
Lab File: VD071611.D  
Acq: 05 Jan 2022 13:51

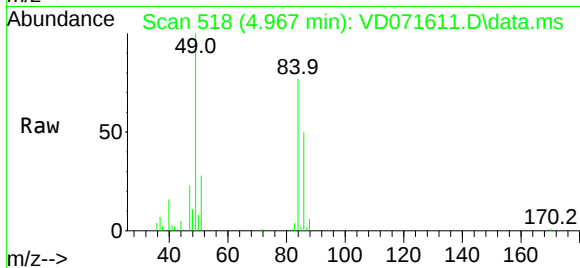
Tgt Ion: 43 Resp: 5030  
Ion Ratio Lower Upper  
43 100  
58 34.8 27.8 41.8



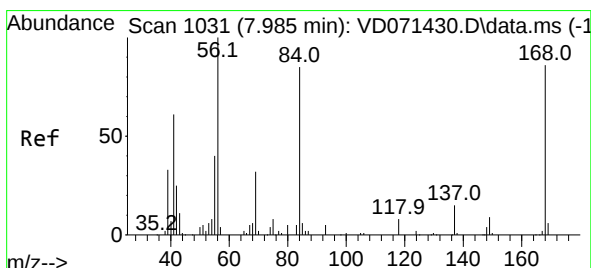
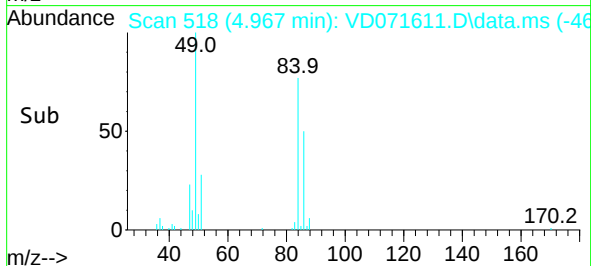
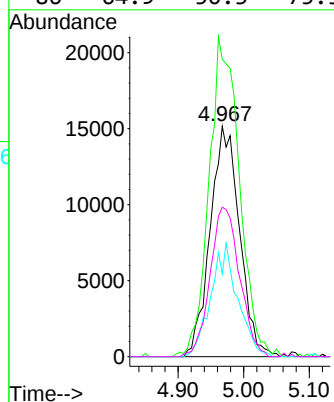


#20  
Methylene Chloride  
Concen: 4.126 ug/l  
RT: 4.967 min Scan# 516  
Delta R.T. 0.006 min  
Lab File: VD071611.D  
Acq: 05 Jan 2022 13:51

Instrument :  
MSVOA\_D  
ClientSampleId :

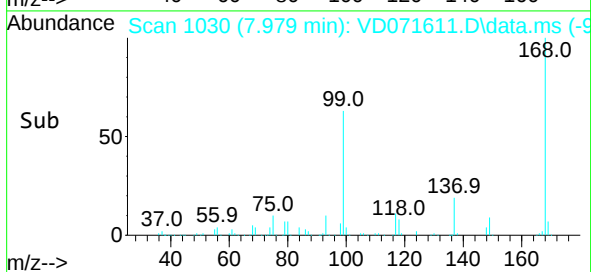
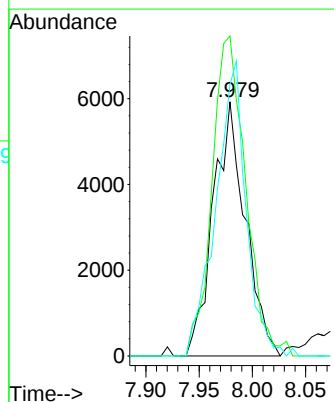
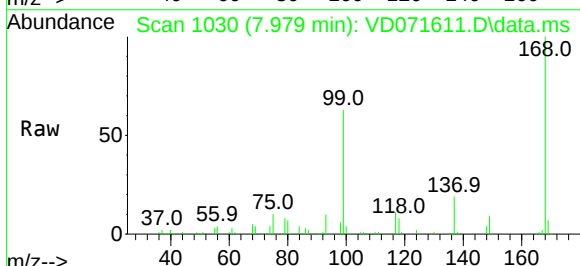


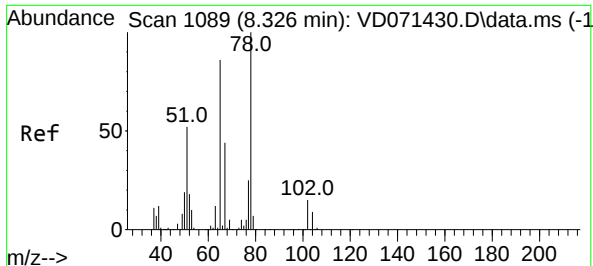
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 47067 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 128.0 | 95.8  | 143.6 |
| 51       | 36.0  | 30.9  | 46.3  |
| 86       | 64.9  | 50.3  | 75.5  |



#31  
Cyclohexane  
Concen: 1.526 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD071611.D  
Acq: 05 Jan 2022 13:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 12471 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 125.8 | 25.9  | 38.9# |
| 84       | 106.7 | 64.3  | 96.5# |





#33

1,2-Dichloroethane-d4

Concen: 47.398 ug/l

RT: 8.332 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD071611.D

Acq: 05 Jan 2022 13:51

Instrument :

MSVOA\_D

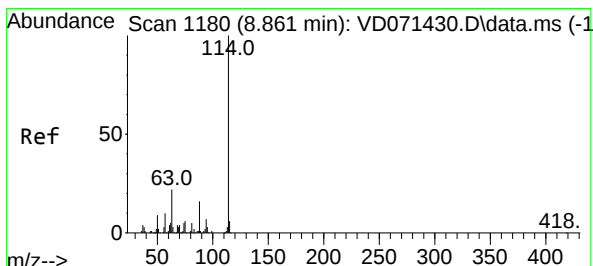
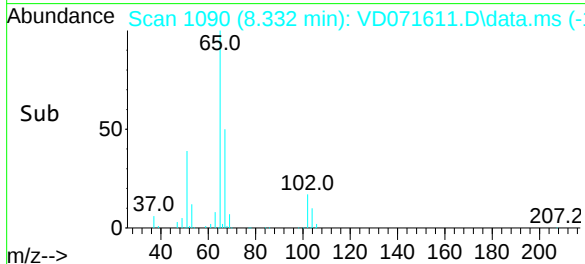
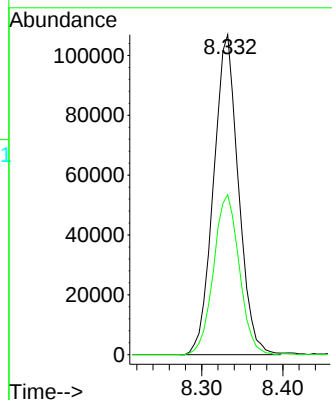
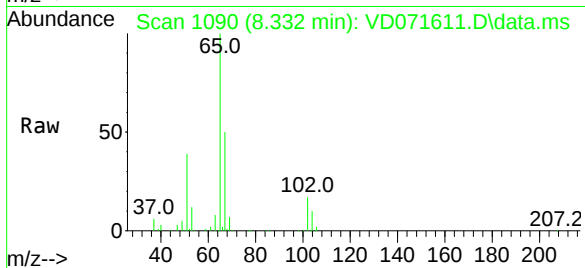
ClientSampleId :

Tgt Ion: 65 Resp: 228065

Ion Ratio Lower Upper

65 100

67 51.5 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071611.D

Acq: 05 Jan 2022 13:51

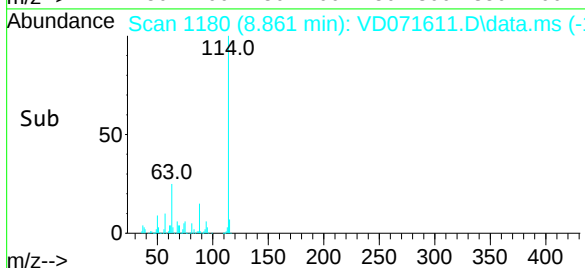
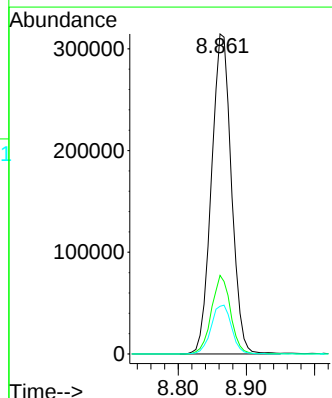
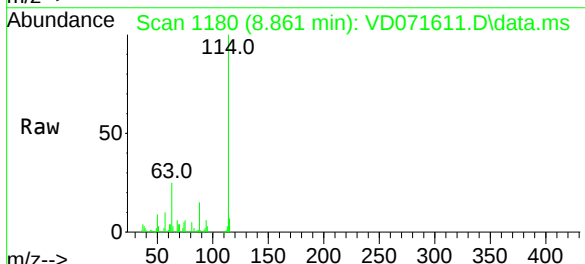
Tgt Ion: 114 Resp: 639743

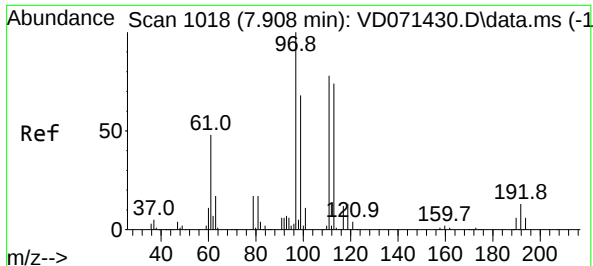
Ion Ratio Lower Upper

114 100

63 24.5 0.0 41.8

88 14.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 46.478 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

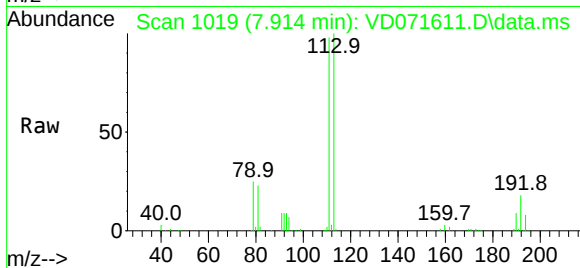
Lab File: VD071611.D

Acq: 05 Jan 2022 13:51

Instrument :

MSVOA\_D

ClientSampleId :



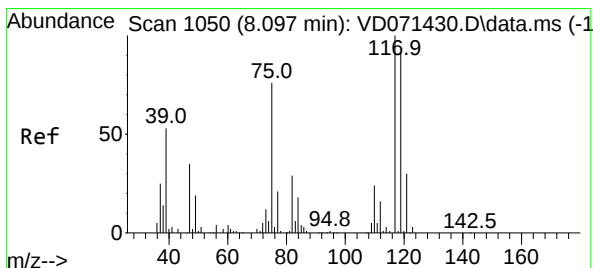
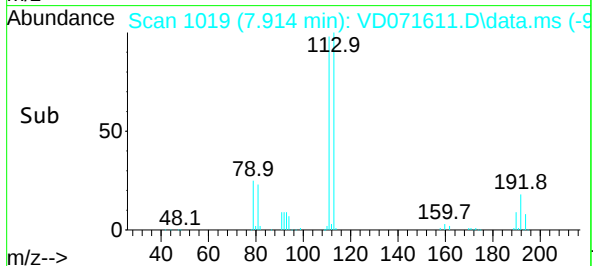
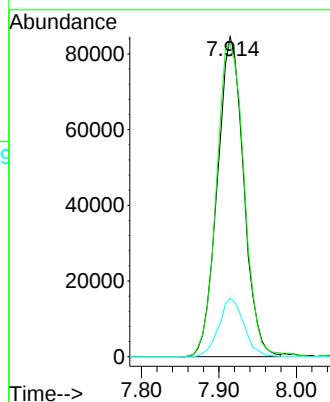
Tgt Ion:113 Resp: 199835

Ion Ratio Lower Upper

113 100

111 102.9 82.0 123.0

192 17.4 15.2 22.8



#38

Carbon Tetrachloride

Concen: 6.005 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD071611.D

Acq: 05 Jan 2022 13:51

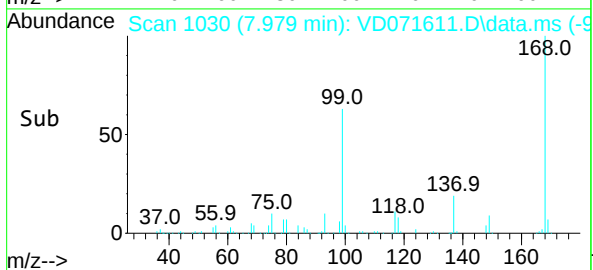
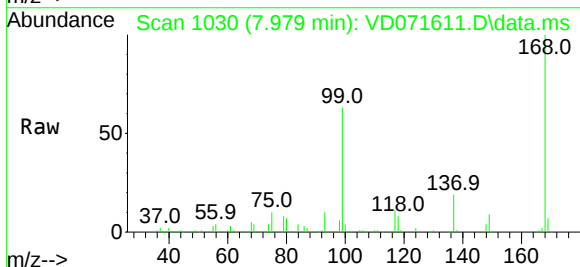
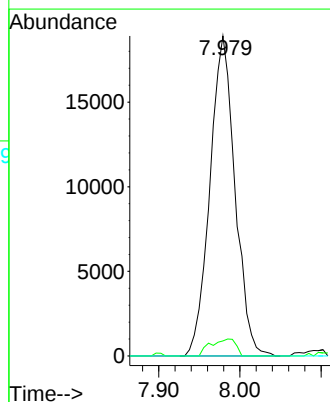
Tgt Ion:117 Resp: 40698

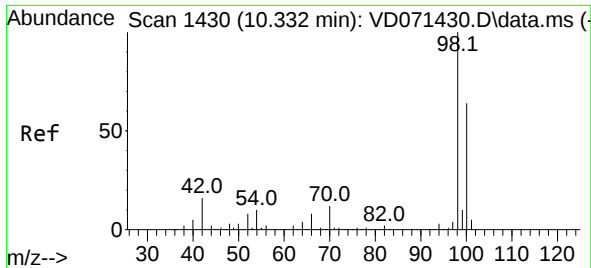
Ion Ratio Lower Upper

117 100

119 4.7 75.8 113.6#

121 0.0 23.6 35.4#

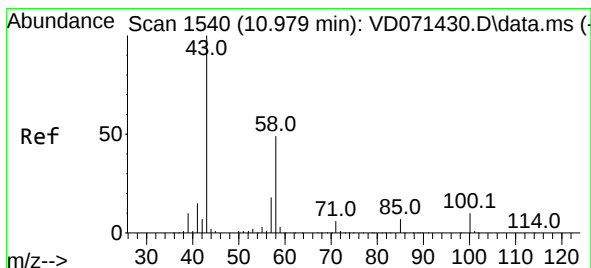
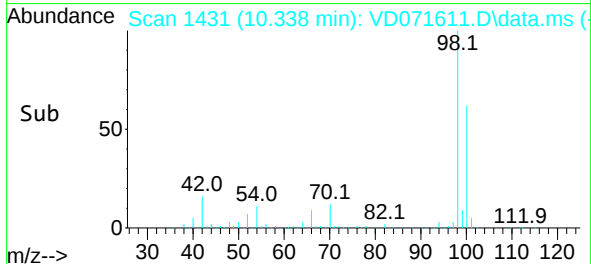
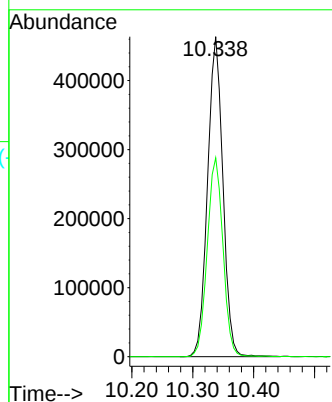
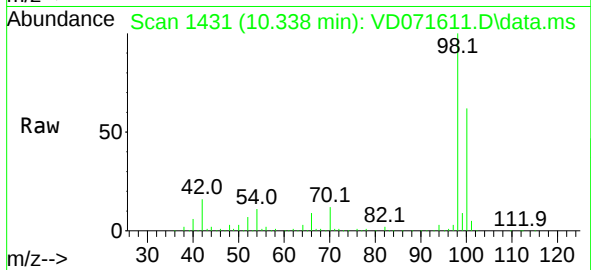




#50  
Toluene-d8  
Concen: 49.943 ug/l  
RT: 10.338 min Scan# 14  
Delta R.T. 0.006 min  
Lab File: VD071611.D  
Acq: 05 Jan 2022 13:51

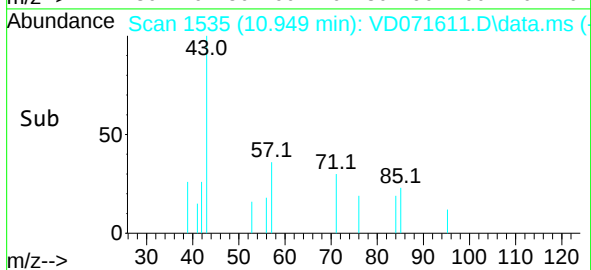
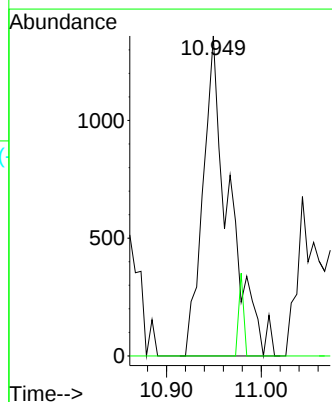
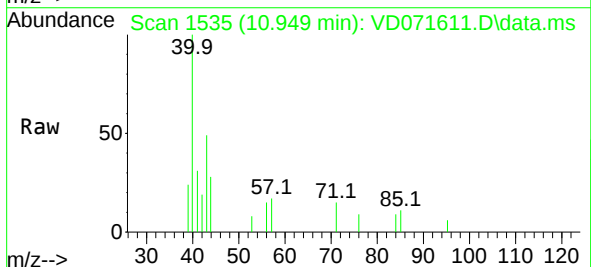
Instrument :  
MSVOA\_D  
ClientSampleId :

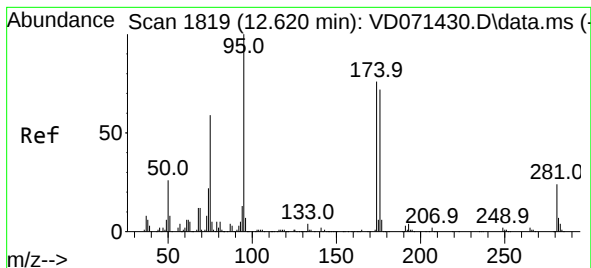
Tgt Ion: 98 Resp: 811483  
Ion Ratio Lower Upper  
98 100  
100 63.6 51.8 77.6



#59  
2-Hexanone  
Concen: 1.123 ug/l  
RT: 10.949 min Scan# 1535  
Delta R.T. -0.030 min  
Lab File: VD071611.D  
Acq: 05 Jan 2022 13:51

Tgt Ion: 43 Resp: 2629  
Ion Ratio Lower Upper  
43 100  
58 0.0 28.7 86.1#

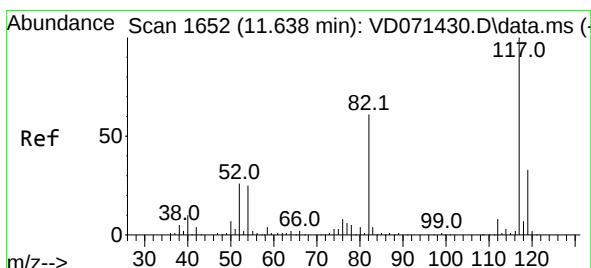
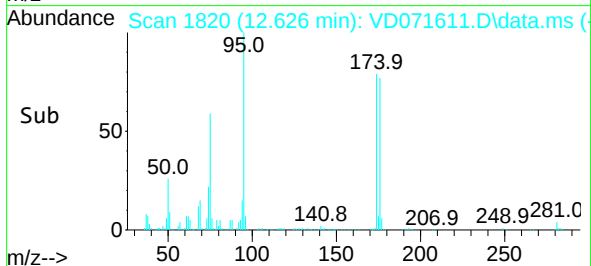
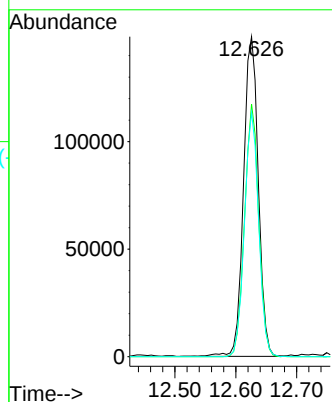
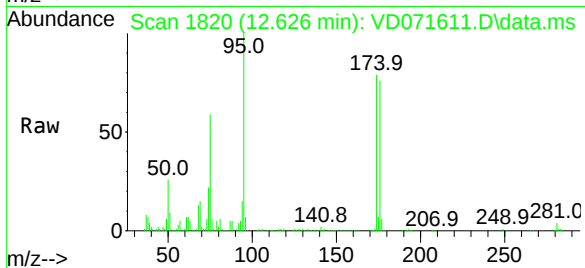




#62  
4-Bromofluorobenzene  
Concen: 43.278 ug/l  
RT: 12.626 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD071611.D  
Acq: 05 Jan 2022 13:51

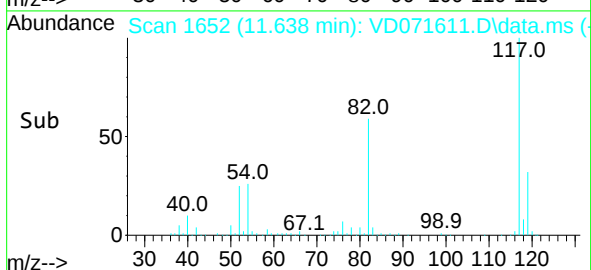
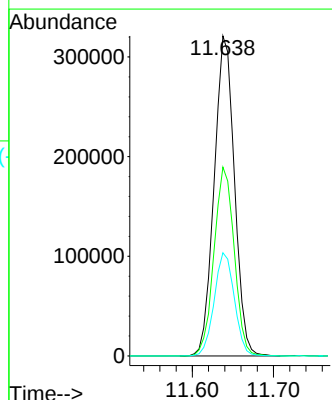
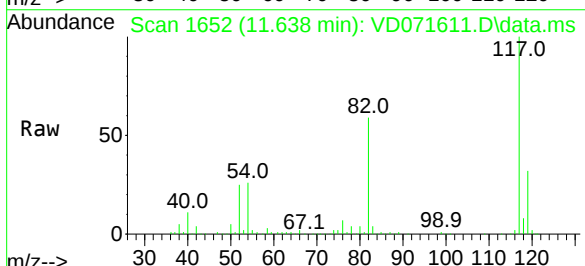
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ClientSampleId :

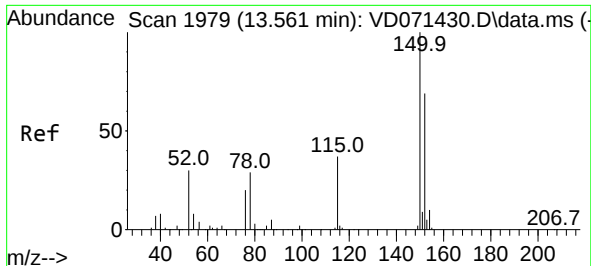
Tgt Ion: 95 Resp: 249876  
Ion Ratio Lower Upper  
95 100  
174 75.7 0.0 159.4  
176 73.3 0.0 154.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. -0.000 min  
Lab File: VD071611.D  
Acq: 05 Jan 2022 13:51

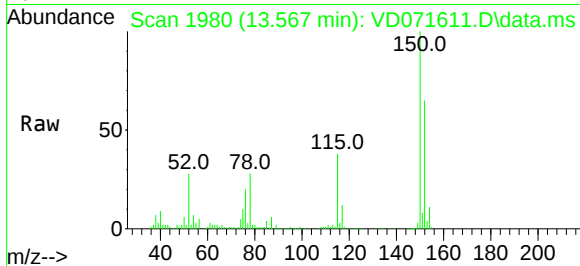
Tgt Ion: 117 Resp: 558605  
Ion Ratio Lower Upper  
117 100  
82 59.0 44.7 67.1  
119 32.3 26.2 39.4



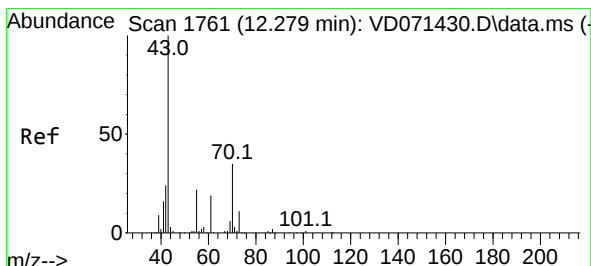
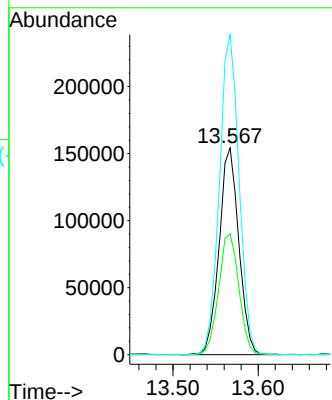
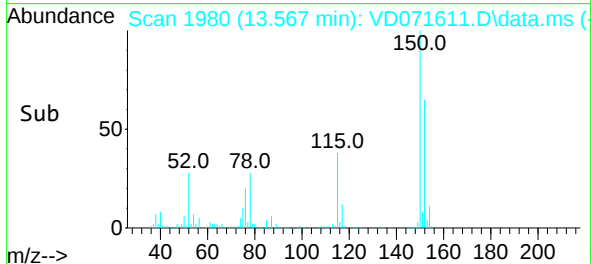


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1979  
Delta R.T. 0.006 min  
Lab File: VD071611.D  
Acq: 05 Jan 2022 13:51

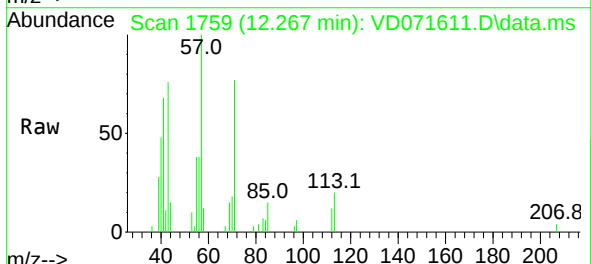
Instrument :  
MSVOA\_D  
ClientSampleId :



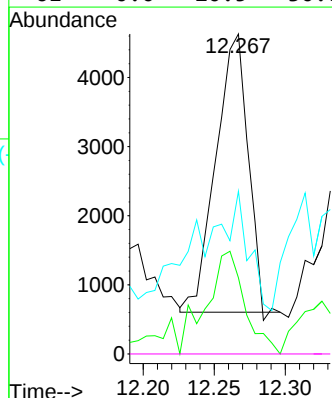
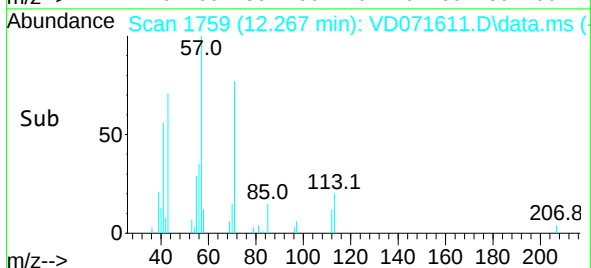
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Ion Ratio Lower Upper  
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150 154.3 0.0 349.2

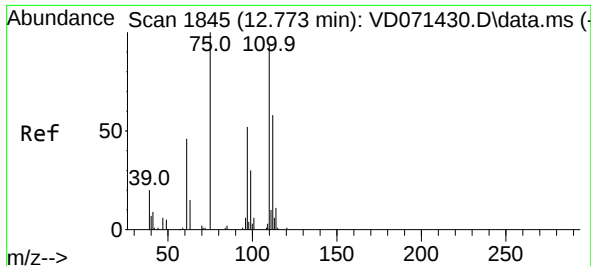


#74  
N-ethyl acetate  
Concen: 1.236 ug/l  
RT: 12.267 min Scan# 1759  
Delta R.T. -0.012 min  
Lab File: VD071611.D  
Acq: 05 Jan 2022 13:51



Tgt Ion: 43 Resp: 6331  
Ion Ratio Lower Upper  
43 100  
70 44.2 36.6 55.0  
55 0.0 22.5 33.7#  
61 0.0 20.5 30.7#

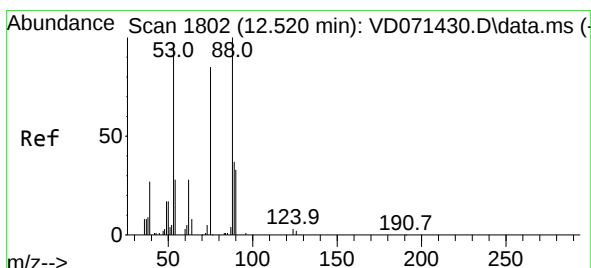
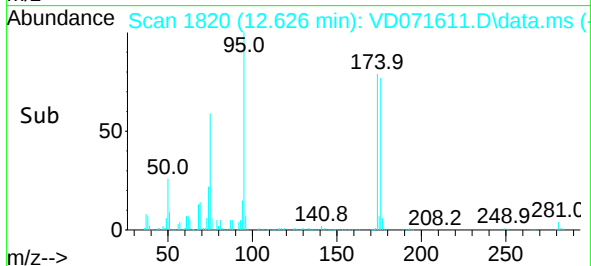
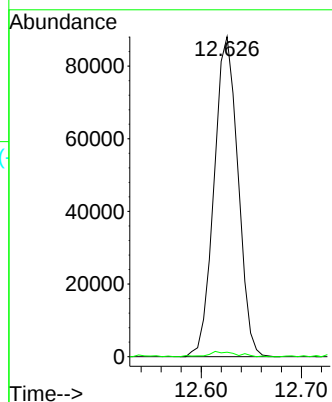
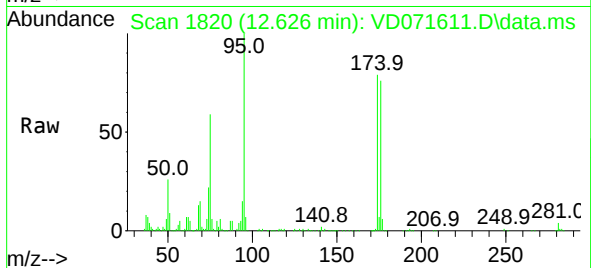




#76  
1,2,3-Trichloropropane  
Concen: 49.557 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.147 min  
Lab File: VD071611.D  
Acq: 05 Jan 2022 13:51

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion: 75 Resp: 145830  
Ion Ratio Lower Upper  
75 100  
77 1.9 158.4 475.3#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 140.024 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.106 min  
Lab File: VD071611.D  
Acq: 05 Jan 2022 13:51

Tgt Ion: 75 Resp: 145830  
Ion Ratio Lower Upper  
75 100  
53 0.3 62.6 94.0#  
89 0.1 34.5 51.7#

