

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD020322\  
 Data File : VD071889.D  
 Acq On : 03 Feb 2022 13:10  
 Operator : VA/SY  
 Sample : N1362-02  
 Misc : 5.04G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Feb 04 00:50:19 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D012622S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 27 06:04:38 2022  
 Response via : Initial Calibration

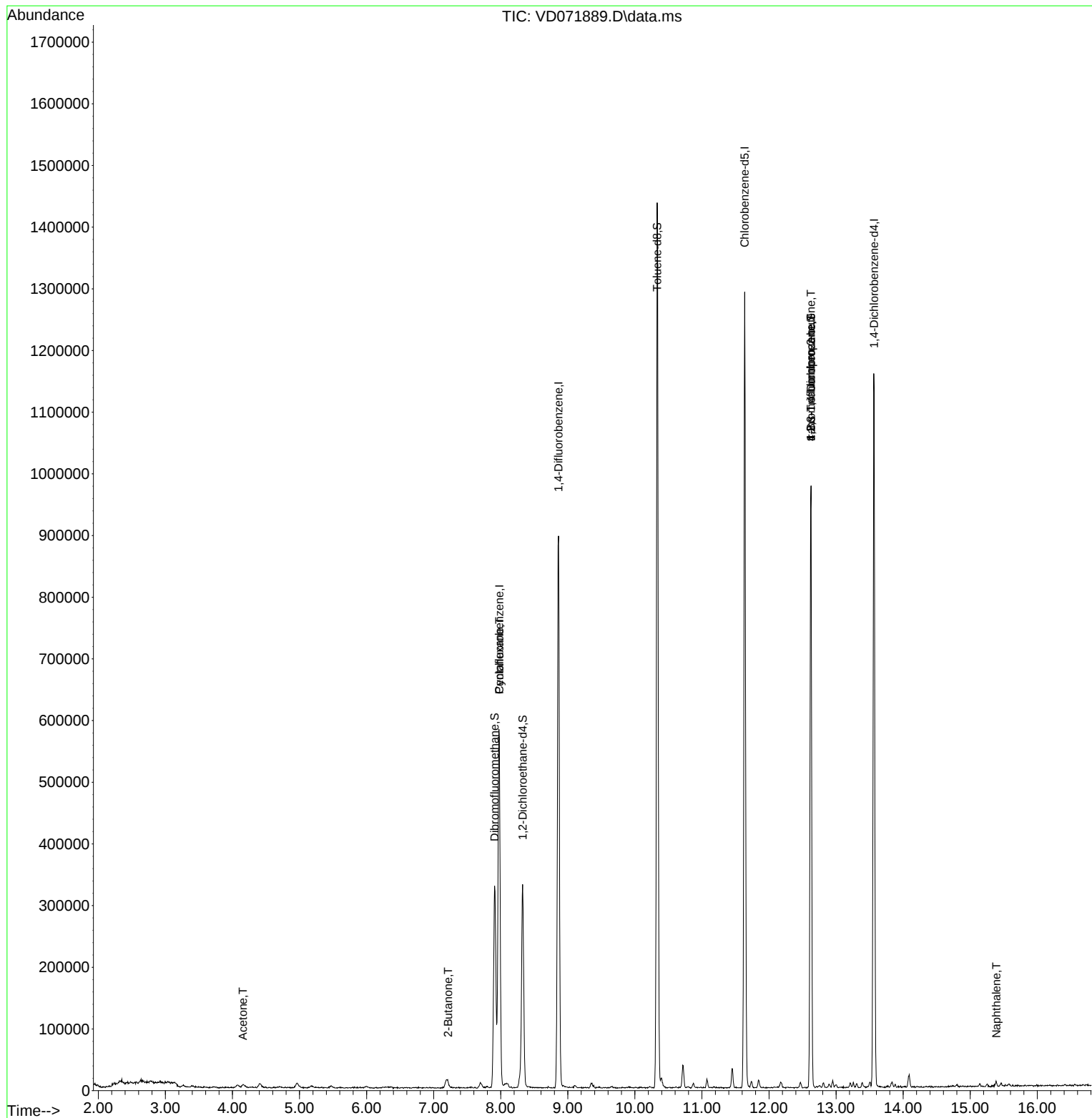
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.979     | 168   | 397614   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.861     | 114   | 711269   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.638    | 117   | 662470   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.567    | 152   | 282748   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.326     | 65    | 260053   | 51.745    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 103.500% |          |
| 35) Dibromofluoromethane      | 7.909     | 113   | 236945   | 50.679    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 101.360% |          |
| 50) Toluene-d8                | 10.332    | 98    | 896170   | 51.324    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery  | = 102.640% |          |
| 62) 4-Bromofluorobenzene      | 12.626    | 95    | 291228   | 47.761    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery  | = 95.520%  |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 5.173     | 59    | 726      | Below Cal | #          | 74       |
| 16) Acetone                   | 4.156     | 43    | 11056    | 8.037     | ug/l #     | 76       |
| 20) Methylene Chloride        | 4.950     | 84    | 1932     | Below Cal | #          | 61       |
| 25) 2-Butanone                | 7.214     | 43    | 1651     | 1.029     | ug/l #     | 52       |
| 31) Cyclohexane               | 7.979     | 56    | 13362    | 1.393     | ug/l #     | 25       |
| 76) 1,2,3-Trichloropropane    | 12.626    | 75    | 163794   | 54.968    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.626    | 75    | 163794   | 135.153   | ug/l #     | 7        |
| 95) Naphthalene               | 15.390    | 128   | 5805     | 2.028     | ug/l #     | 85       |
| -----                         |           |       |          |           |            |          |

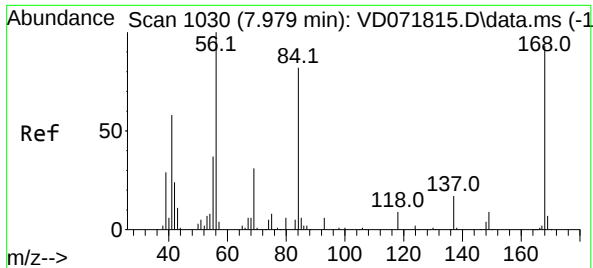
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : N1362-02  
Misc : 5.04G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Feb 04 00:50:19 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D012622S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 27 06:04:38 2022  
Response via : Initial Calibration

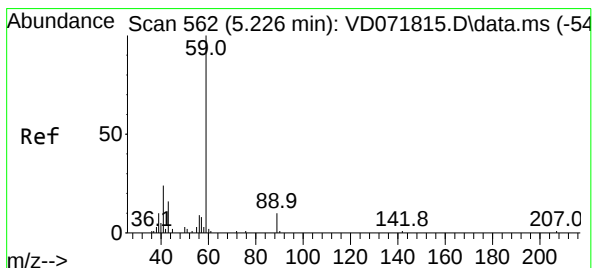
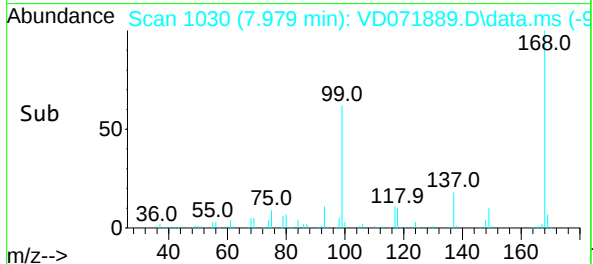
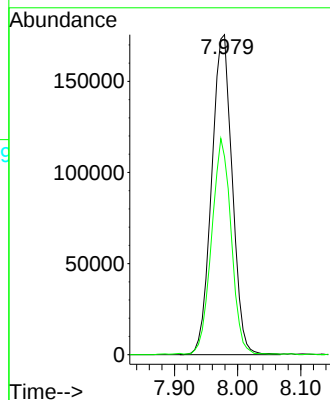
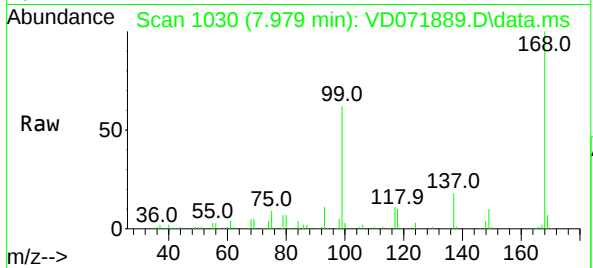




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: VD071889.D  
Acq: 03 Feb 2022 13:10

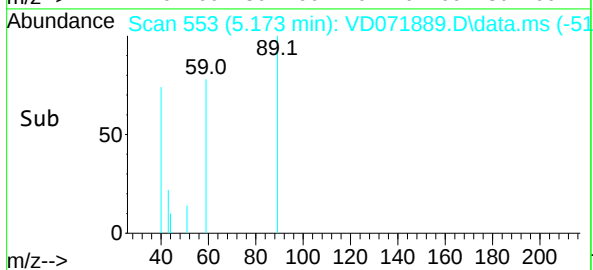
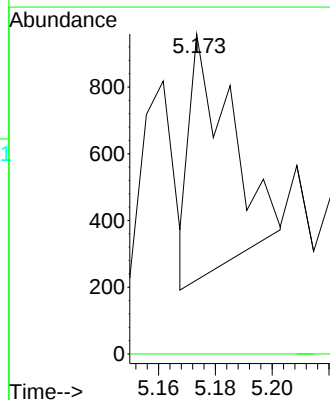
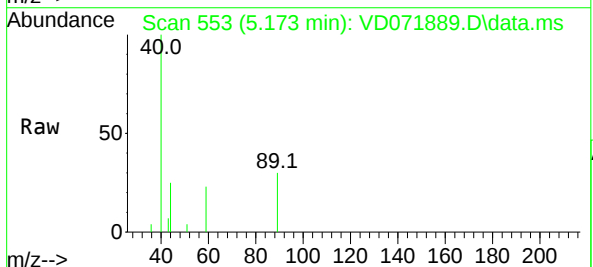
Instrument :  
MSVOA\_D  
ClientSampleId :

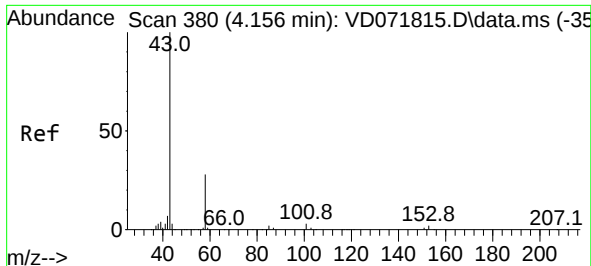
Tgt Ion:168 Resp: 397614  
Ion Ratio Lower Upper  
168 100  
99 61.7 49.8 74.6



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 5.173 min Scan# 553  
Delta R.T. -0.047 min  
Lab File: VD071889.D  
Acq: 03 Feb 2022 13:10

Tgt Ion: 59 Resp: 726  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.6#

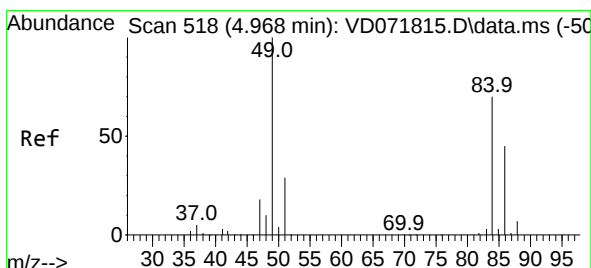
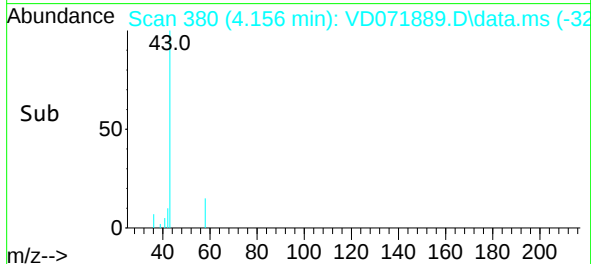
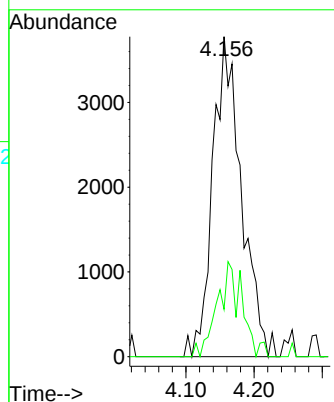
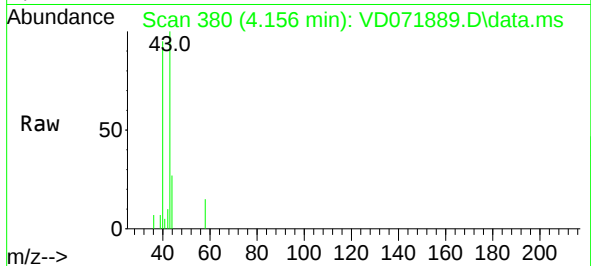




#16  
Acetone  
Concen: 8.037 ug/l  
RT: 4.156 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VD071889.D  
Acq: 03 Feb 2022 13:10

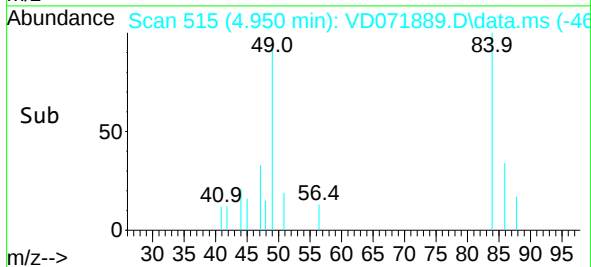
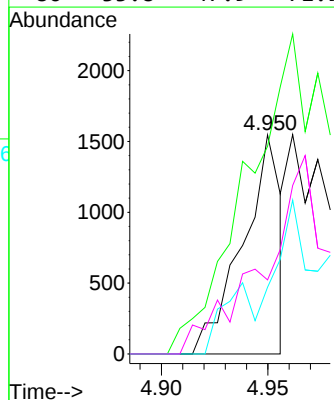
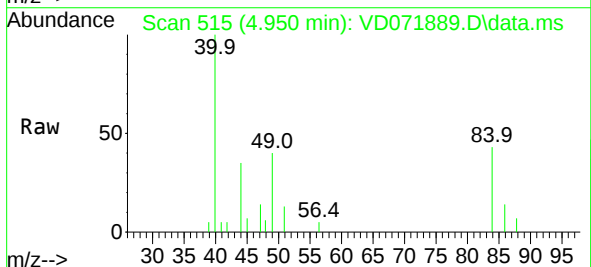
Instrument :  
MSVOA\_D  
ClientSampleId :

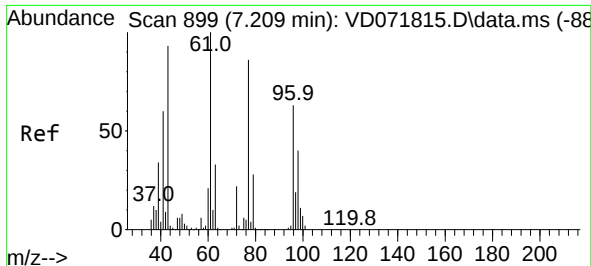
Tgt Ion: 43 Resp: 11056  
Ion Ratio Lower Upper  
43 100  
58 14.8 22.1 33.1#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.950 min Scan# 515  
Delta R.T. -0.018 min  
Lab File: VD071889.D  
Acq: 03 Feb 2022 13:10

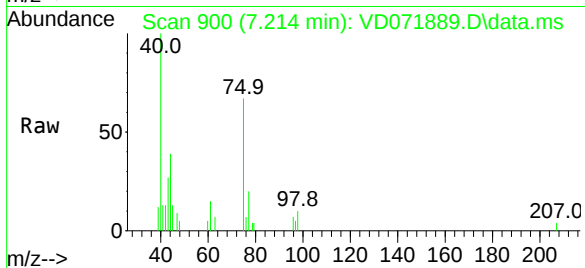
Tgt Ion: 84 Resp: 1932  
Ion Ratio Lower Upper  
84 100  
49 83.2 112.8 169.2#  
51 30.5 32.6 48.8#  
86 33.8 47.9 71.9#



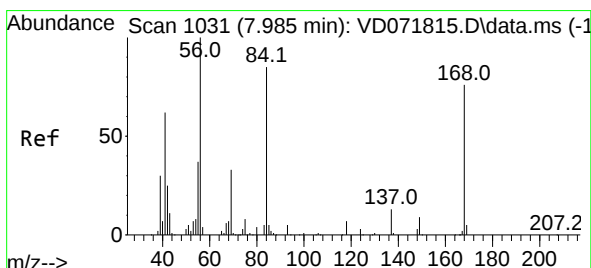
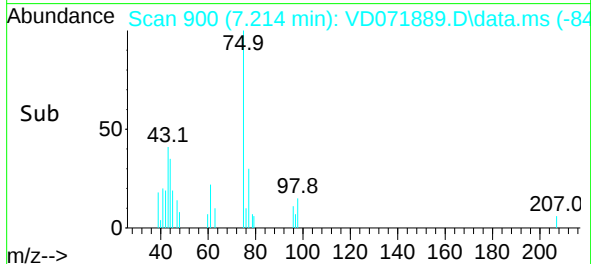
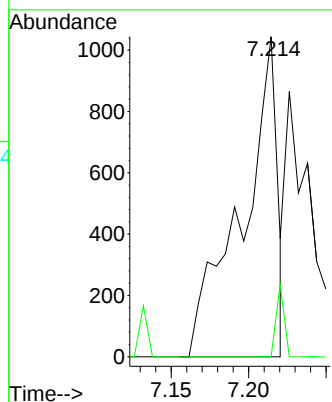


#25  
2-Butanone  
Concen: 1.029 ug/l  
RT: 7.214 min Scan# 90  
Delta R.T. 0.000 min  
Lab File: VD071889.D  
Acq: 03 Feb 2022 13:10

Instrument :  
MSVOA\_D  
ClientSampleId :

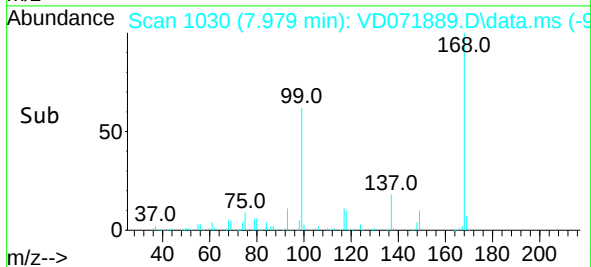
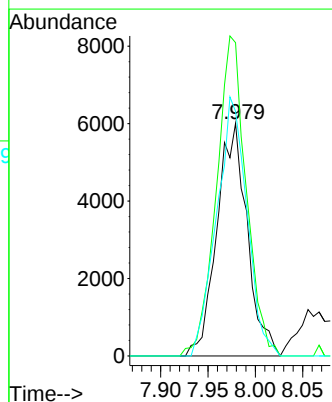
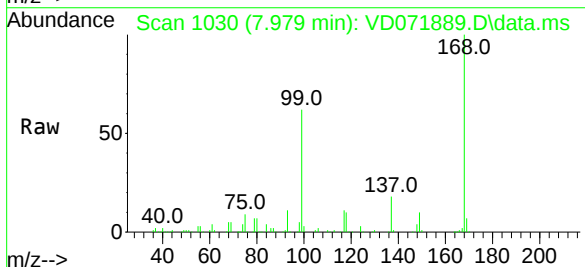


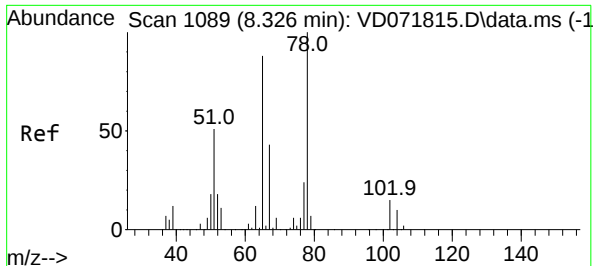
Tgt Ion: 43 Resp: 1651  
Ion Ratio Lower Upper  
43 100  
72 0.0 18.6 27.8#



#31  
Cyclohexane  
Concen: 1.393 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: VD071889.D  
Acq: 03 Feb 2022 13:10

Tgt Ion: 56 Resp: 13362  
Ion Ratio Lower Upper  
56 100  
69 134.6 25.4 38.2#  
84 105.1 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 51.745 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD071889.D

Acq: 03 Feb 2022 13:10

Instrument :

MSVOA\_D

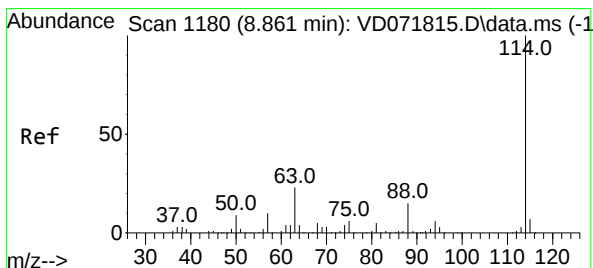
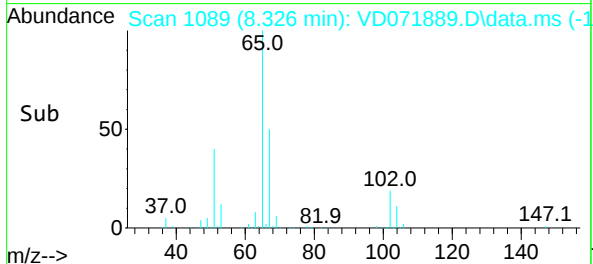
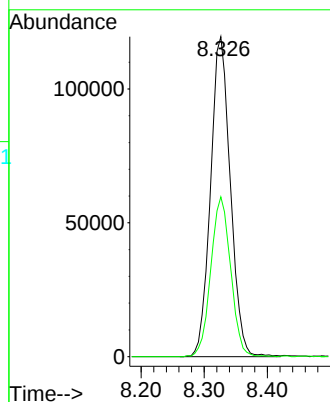
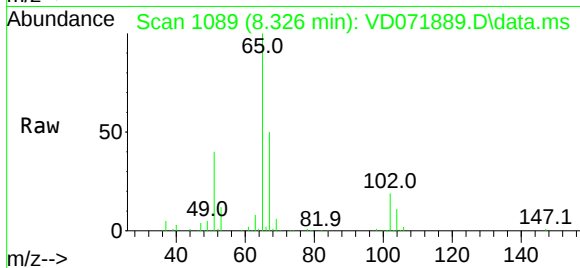
ClientSampleId :

Tgt Ion: 65 Resp: 260053

Ion Ratio Lower Upper

65 100

67 50.1 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071889.D

Acq: 03 Feb 2022 13:10

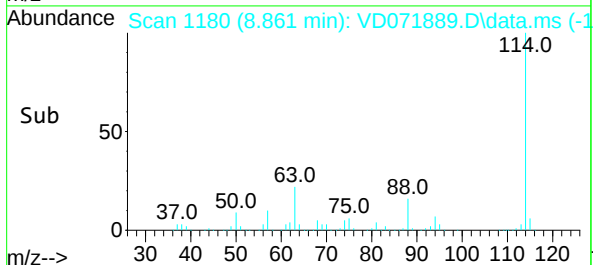
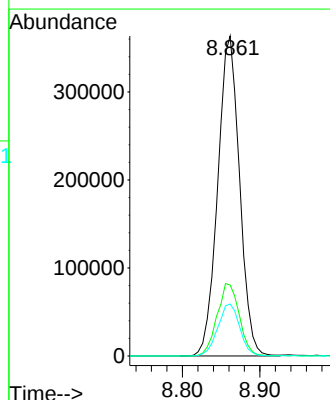
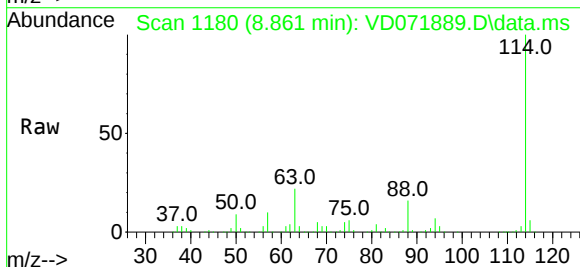
Tgt Ion: 114 Resp: 711269

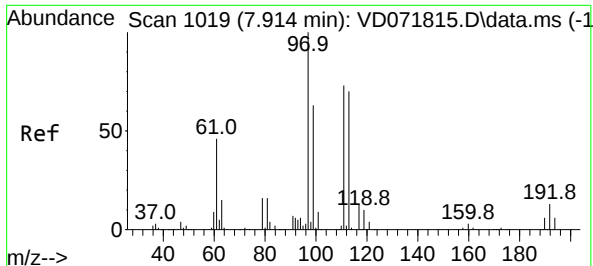
Ion Ratio Lower Upper

114 100

63 22.2 0.0 46.6

88 16.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.679 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.006 min

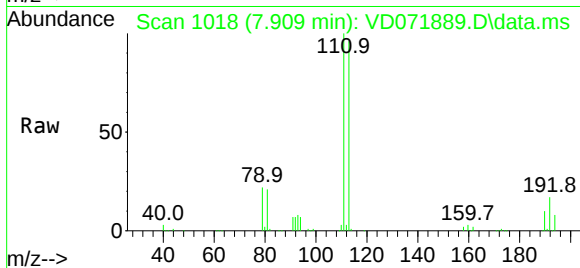
Lab File: VD071889.D

Acq: 03 Feb 2022 13:10

Instrument :

MSVOA\_D

ClientSampleId :



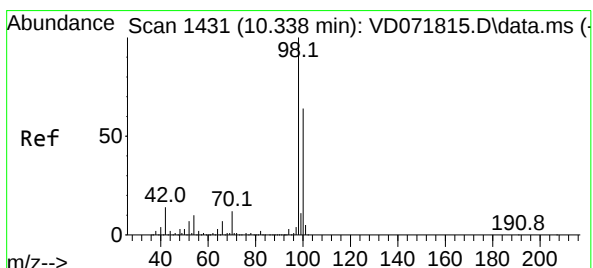
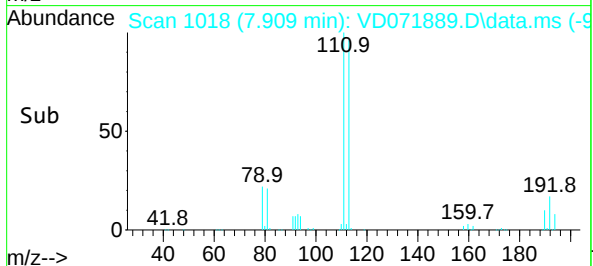
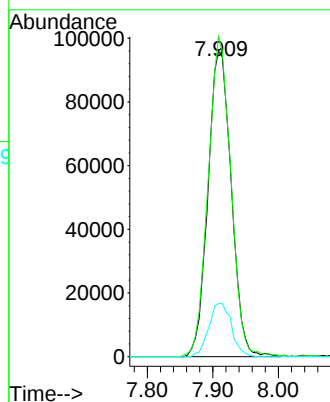
Tgt Ion:113 Resp: 236945

Ion Ratio Lower Upper

113 100

111 102.5 83.8 125.6

192 17.0 14.6 21.8



#50

Toluene-d8

Concen: 51.324 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD071889.D

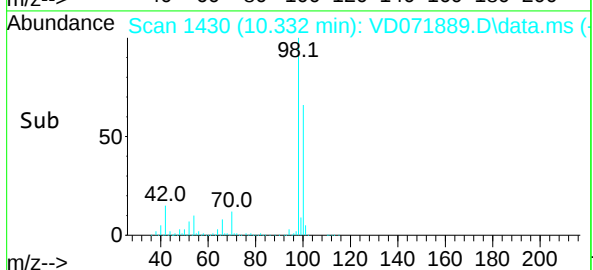
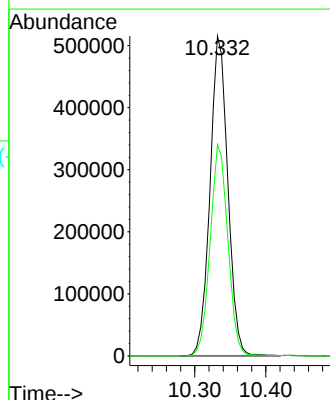
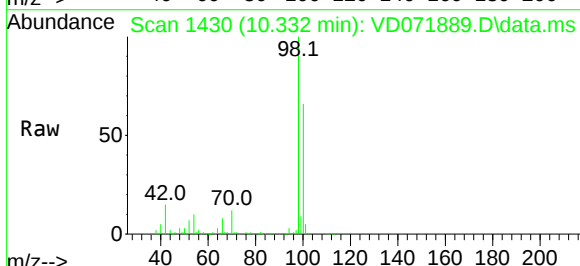
Acq: 03 Feb 2022 13:10

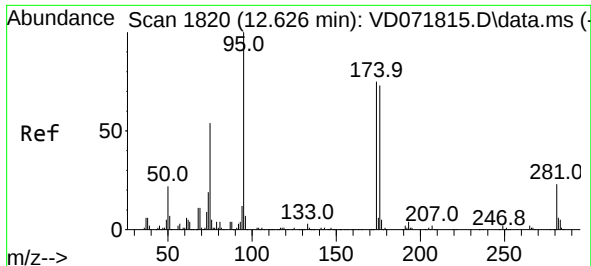
Tgt Ion: 98 Resp: 896170

Ion Ratio Lower Upper

98 100

100 65.9 52.4 78.6

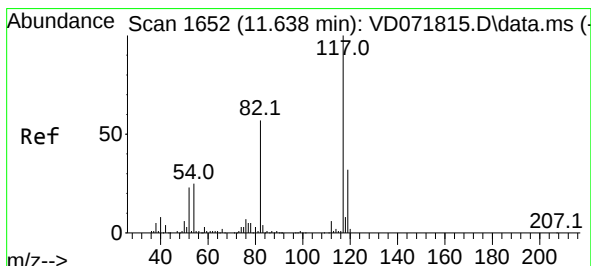
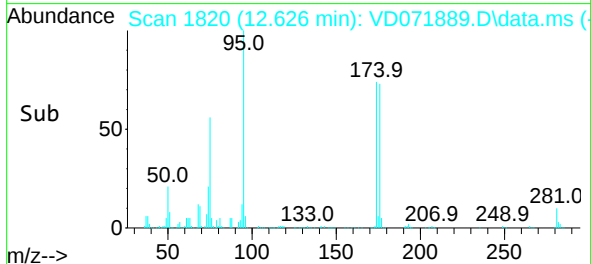
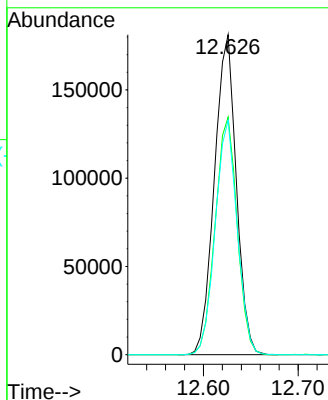
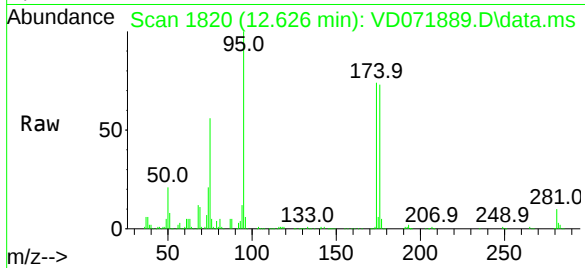




#62  
4-Bromofluorobenzene  
Concen: 47.761 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. 0.000 min  
Lab File: VD071889.D  
Acq: 03 Feb 2022 13:10

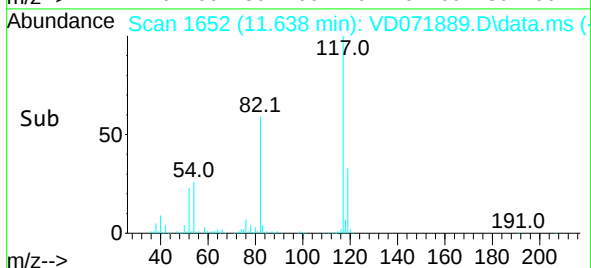
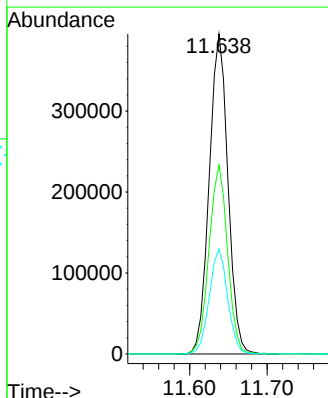
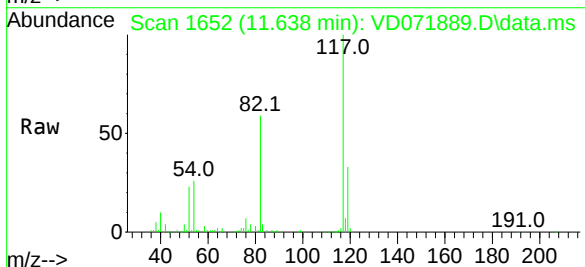
Instrument :  
MSVOA\_D  
ClientSampleId :

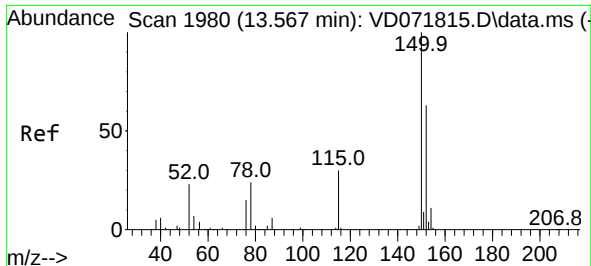
Tgt Ion: 95 Resp: 291228  
Ion Ratio Lower Upper  
95 100  
174 74.6 0.0 152.8  
176 73.2 0.0 145.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. 0.000 min  
Lab File: VD071889.D  
Acq: 03 Feb 2022 13:10

Tgt Ion: 117 Resp: 662470  
Ion Ratio Lower Upper  
117 100  
82 59.0 45.3 67.9  
119 32.8 26.6 40.0

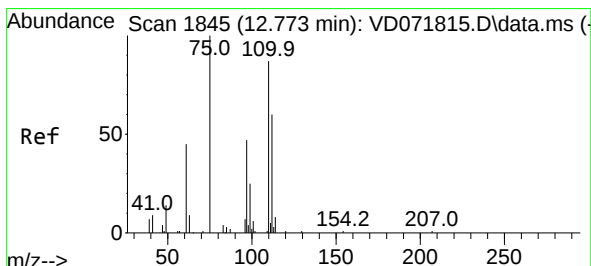
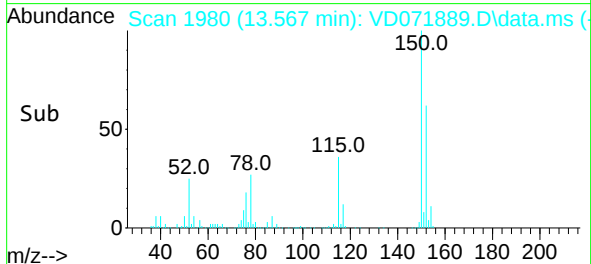
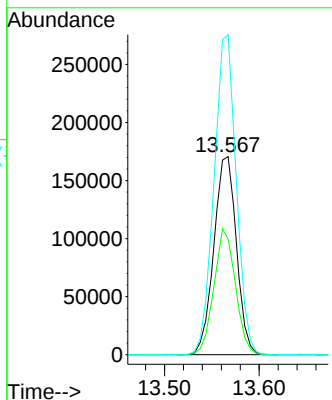
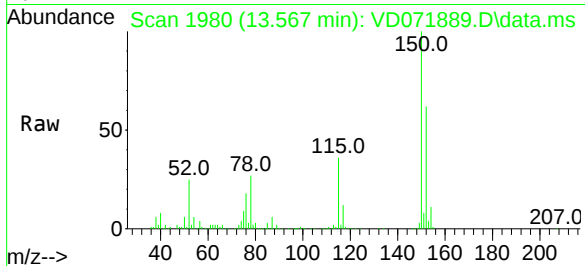




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.567 min Scan# 1980  
 Delta R.T. 0.000 min  
 Lab File: VD071889.D  
 Acq: 03 Feb 2022 13:10

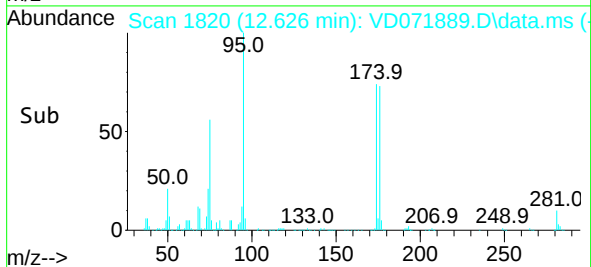
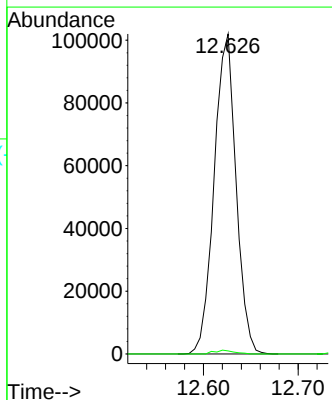
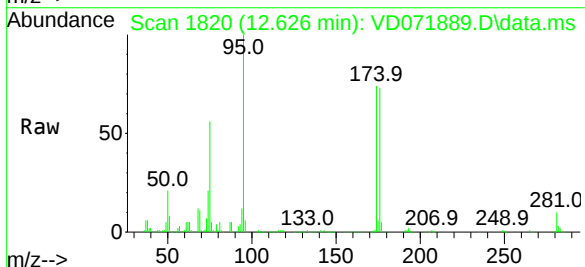
Instrument :  
 MSVOA\_D  
 ClientSampleId :

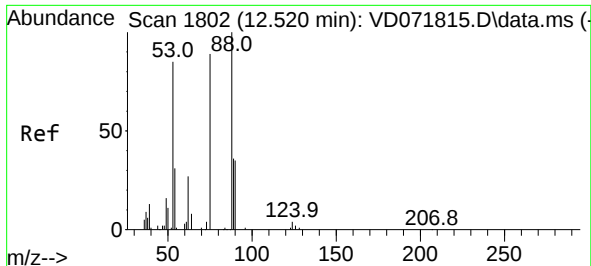
Tgt Ion:152 Resp: 282748  
 Ion Ratio Lower Upper  
 152 100  
 115 60.5 31.3 93.8  
 150 159.1 0.0 348.6



#76  
 1,2,3-Trichloropropane  
 Concen: 54.968 ug/l  
 RT: 12.626 min Scan# 1820  
 Delta R.T. -0.147 min  
 Lab File: VD071889.D  
 Acq: 03 Feb 2022 13:10

Tgt Ion: 75 Resp: 163794  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 0.0 0.0#

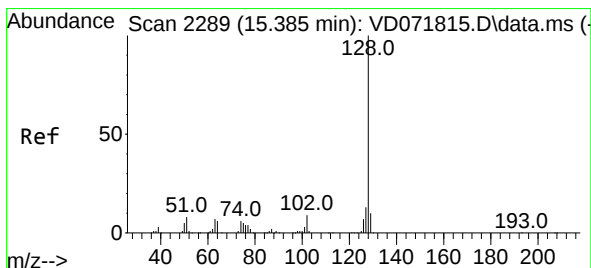
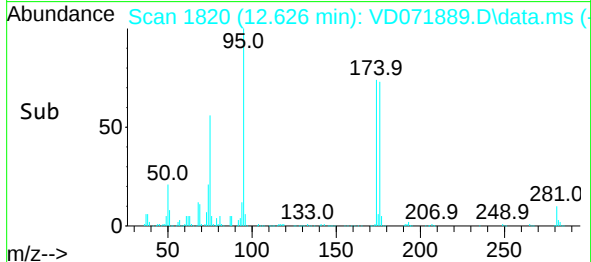
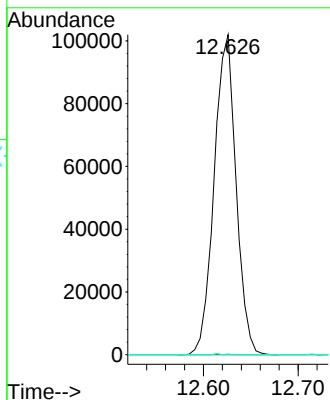
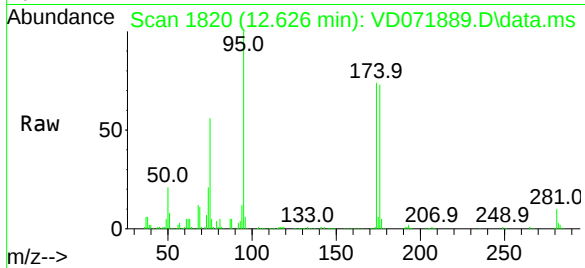




#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 135.153 ug/l  
 RT: 12.626 min Scan# 11  
 Delta R.T. 0.106 min  
 Lab File: VD071889.D  
 Acq: 03 Feb 2022 13:10

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Tgt Ion: 75 Resp: 163794  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 86.5 129.7#  
 89 0.1 33.9 50.9#



#95  
 Naphthalene  
 Concen: 2.028 ug/l  
 RT: 15.390 min Scan# 2290  
 Delta R.T. 0.006 min  
 Lab File: VD071889.D  
 Acq: 03 Feb 2022 13:10

Tgt Ion:128 Resp: 5805  
 Ion Ratio Lower Upper  
 128 100  
 127 8.4 10.3 15.5#  
 129 3.5 8.4 12.6#

