

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102122\  
 Data File : VX032295.D  
 Acq On : 21 Oct 2022 17:42  
 Operator : JC/MD  
 Sample : N5248-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FSND-RB-20221018

Quant Time: Oct 22 05:13:04 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X101922W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 22 04:56:40 2022  
 Response via : Initial Calibration

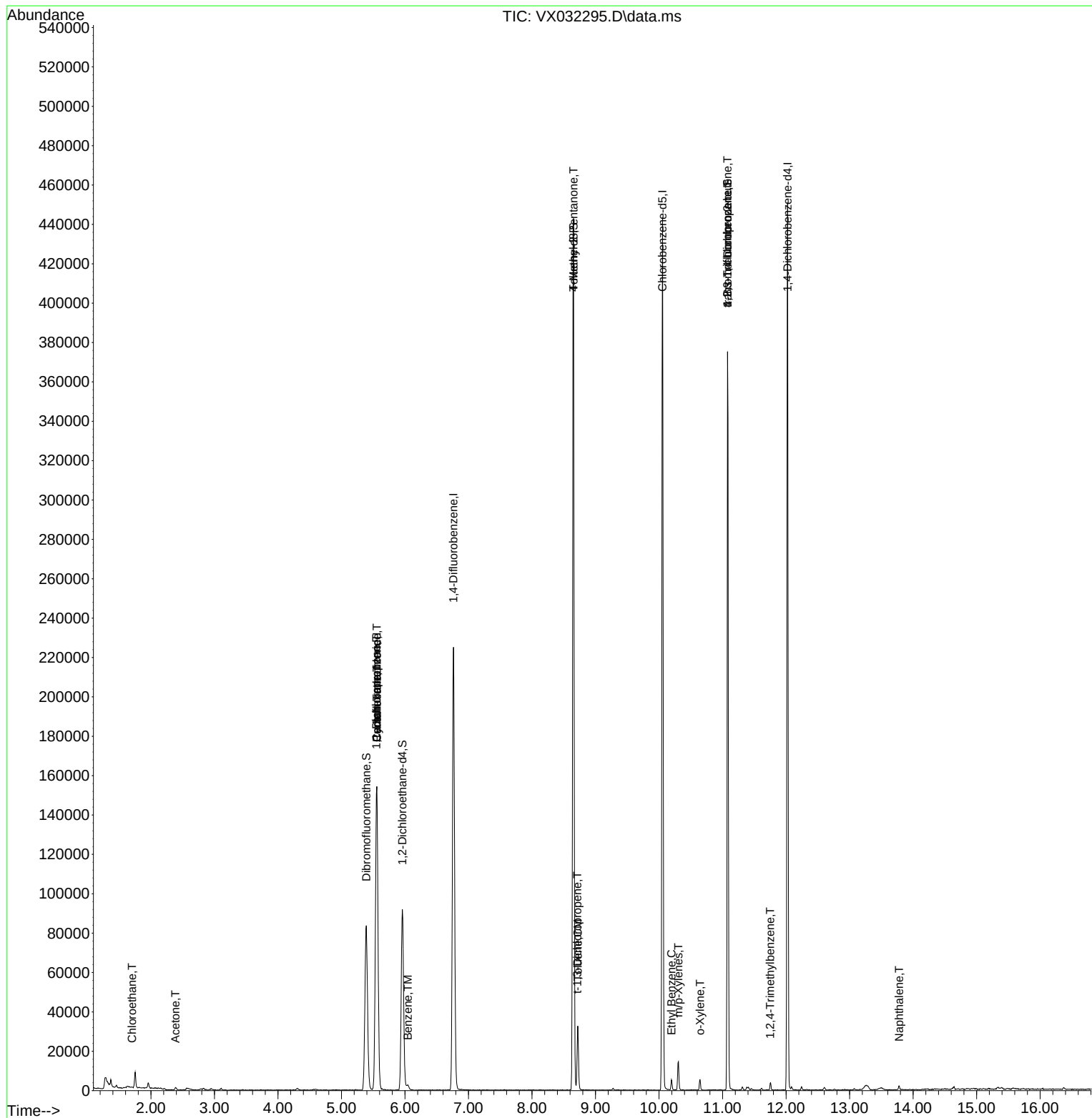
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 143970   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 225385   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 194780   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 90932    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 92837    | 49.569    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =      | 99.140%  |
| 35) Dibromofluoromethane      | 5.391  | 113   | 70082    | 44.684    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 89.360%  |
| 50) Toluene-d8                | 8.653  | 98    | 262464   | 46.489    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =      | 92.980%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 93274    | 45.117    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 90.240%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 1.288  | 50    | 239      | Below Cal | #      | 44       |
| 6) Chloroethane               | 1.703  | 64    | 393      | 2.218     | ug/l # | 41       |
| 11) Tert butyl alcohol        | 2.941  | 59    | 677      | Below Cal | #      | 74       |
| 16) Acetone                   | 2.386  | 43    | 1544     | 2.540     | ug/l   | 94       |
| 31) Cyclohexane               | 5.556  | 56    | 3357     | 1.568     | ug/l # | 53       |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 11665    | 5.782     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 15139    | 7.108     | ug/l # | 16       |
| 40) Benzene                   | 6.044  | 78    | 2938     | 0.502     | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 8.653  | 43    | 1290     | 0.664     | ug/l # | 1        |
| 52) Toluene                   | 8.720  | 92    | 11860    | 3.131     | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.714  | 75    | 56       | 1.842     | ug/l # | 1        |
| 67) Ethyl Benzene             | 10.195 | 91    | 3162     | 0.447     | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.305 | 106   | 3368     | 1.206     | ug/l   | 89       |
| 69) o-Xylene                  | 10.646 | 106   | 1354     | 0.506     | ug/l   | 91       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 51408    | 28.532    | ug/l # | 44       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 51408    | 87.450    | ug/l # | 6        |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105   | 2039     | 0.374     | ug/l   | 96       |
| 95) Naphthalene               | 13.780 | 128   | 1669     | 0.266     | ug/l   | 99       |
| -----                         |        |       |          |           |        |          |

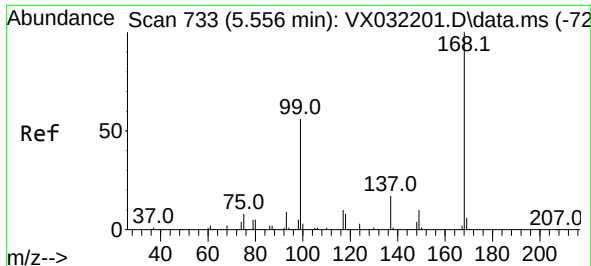
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Sat Oct 22 04:56:40 2022  
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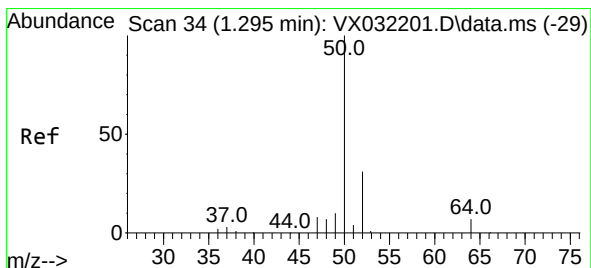
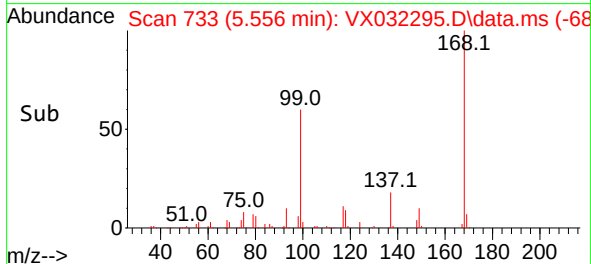
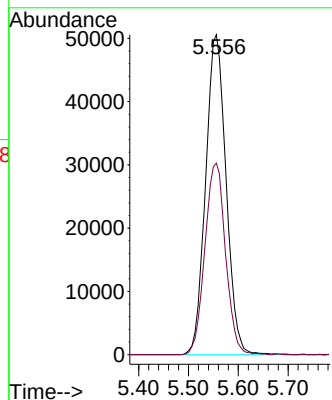
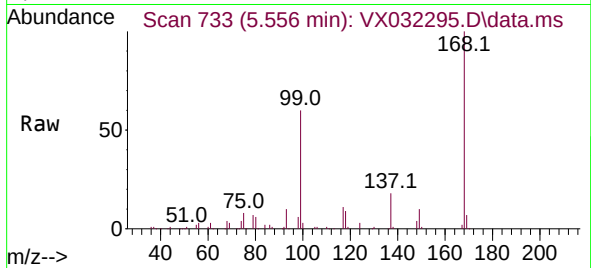




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX032295.D  
Acq: 21 Oct 2022 17:42

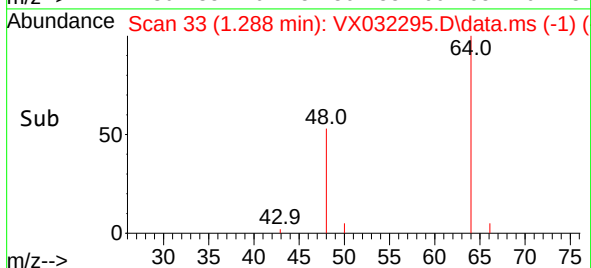
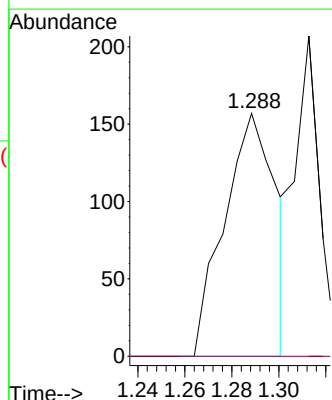
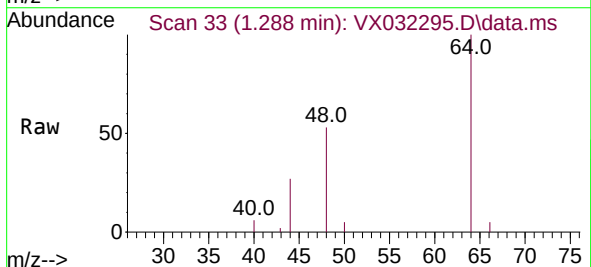
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-RB-20221018

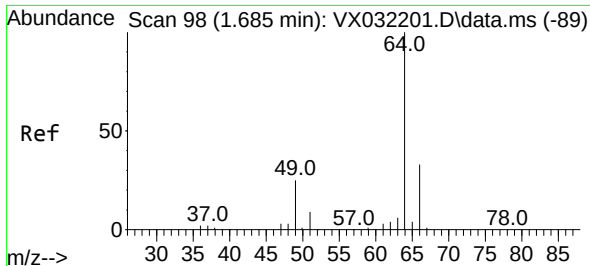
Tgt Ion:168 Resp: 143970  
Ion Ratio Lower Upper  
168 100  
99 59.8 44.8 67.2



#3  
Chloromethane  
Concen: Below Cal  
RT: 1.288 min Scan# 33  
Delta R.T. -0.007 min  
Lab File: VX032295.D  
Acq: 21 Oct 2022 17:42

Tgt Ion: 50 Resp: 239  
Ion Ratio Lower Upper  
50 100  
52 0.0 24.7 37.1#

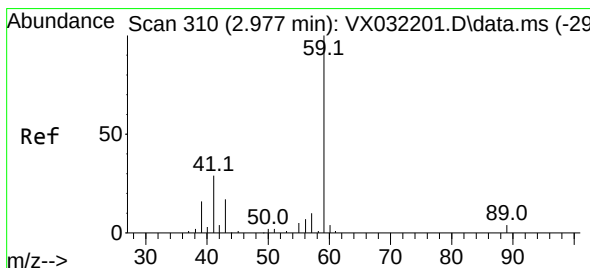
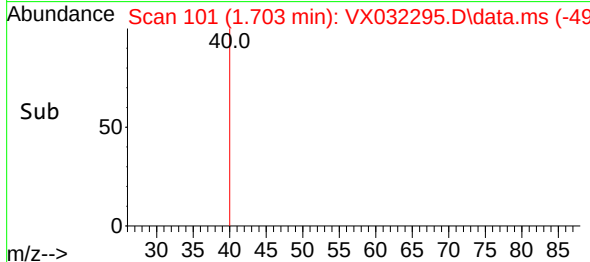
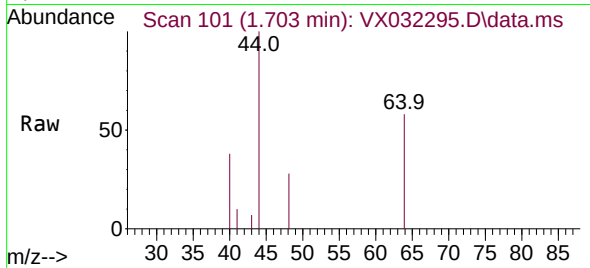




#6  
Chloroethane  
Concen: 2.218 ug/l  
RT: 1.703 min Scan# 101  
Delta R.T. 0.018 min  
Lab File: VX032295.D  
Acq: 21 Oct 2022 17:42

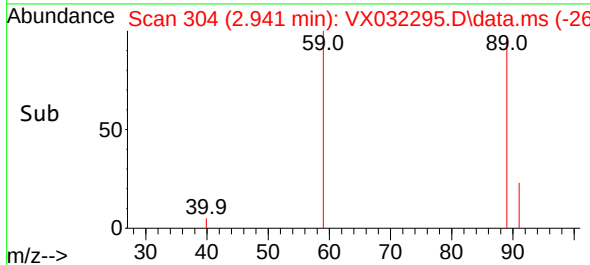
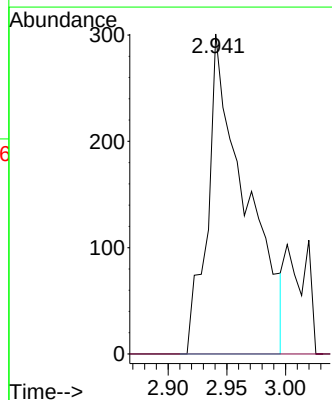
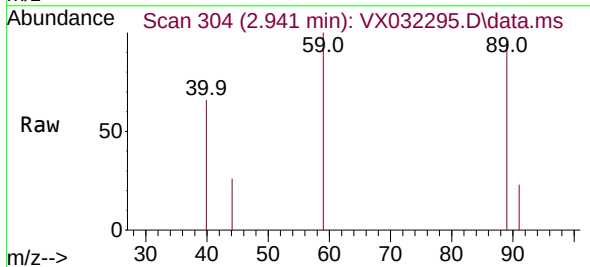
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-RB-20221018

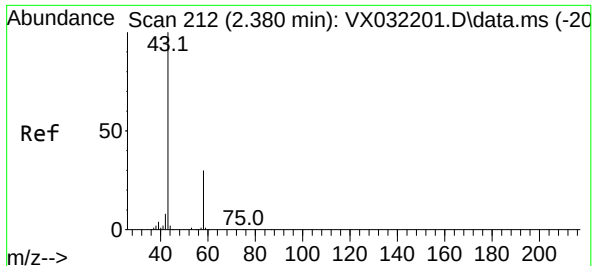
Tgt Ion: 64 Resp: 393  
Ion Ratio Lower Upper  
64 100  
66 0.0 26.6 39.8#



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 2.941 min Scan# 304  
Delta R.T. -0.036 min  
Lab File: VX032295.D  
Acq: 21 Oct 2022 17:42

Tgt Ion: 59 Resp: 677  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.5 11.3#

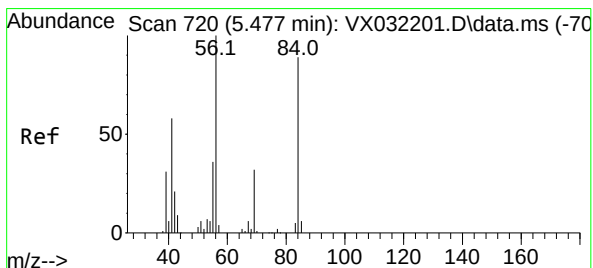
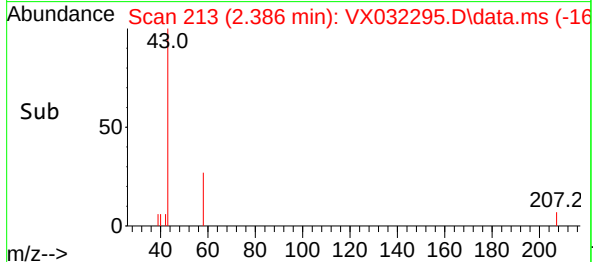
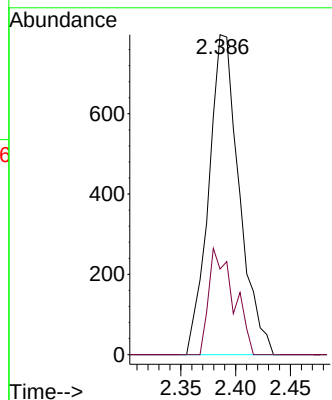
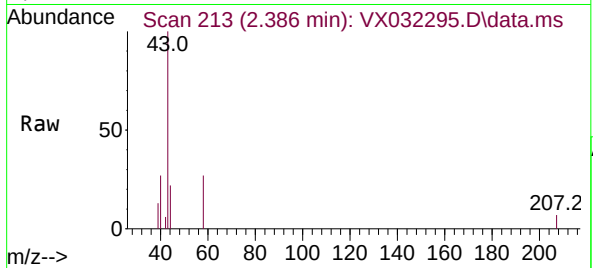




#16  
Acetone  
Concen: 2.540 ug/l  
RT: 2.386 min Scan# 212  
Delta R.T. 0.006 min  
Lab File: VX032295.D  
Acq: 21 Oct 2022 17:42

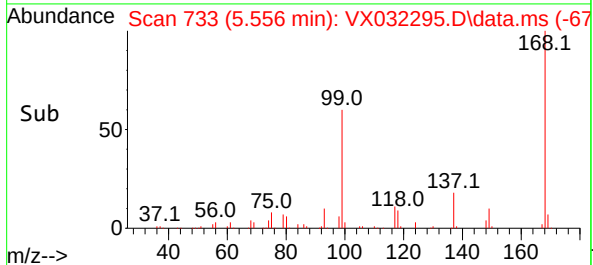
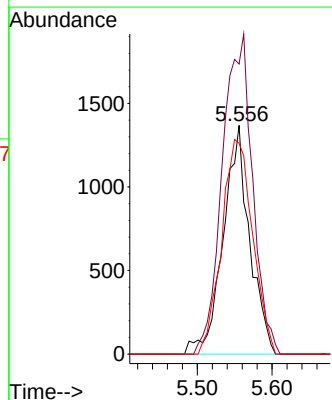
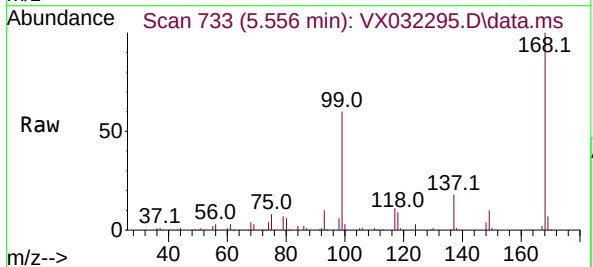
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-RB-20221018

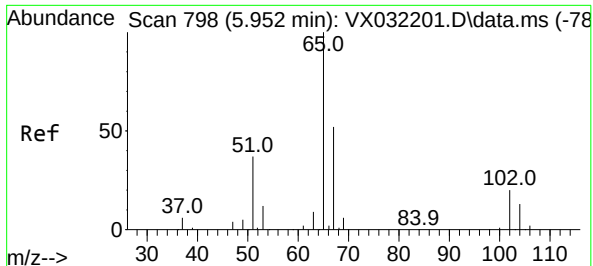
Tgt Ion: 43 Resp: 1544  
Ion Ratio Lower Upper  
43 100  
58 26.7 24.2 36.2



#31  
Cyclohexane  
Concen: 1.568 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.079 min  
Lab File: VX032295.D  
Acq: 21 Oct 2022 17:42

Tgt Ion: 56 Resp: 3357  
Ion Ratio Lower Upper  
56 100  
69 126.8 25.4 38.0#  
84 92.2 71.2 106.8





#33

1,2-Dichloroethane-d4

Concen: 49.569 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX032295.D

Acq: 21 Oct 2022 17:42

Instrument :

MSVOA\_X

ClientSampleId :

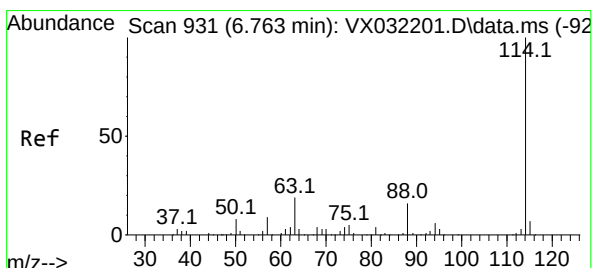
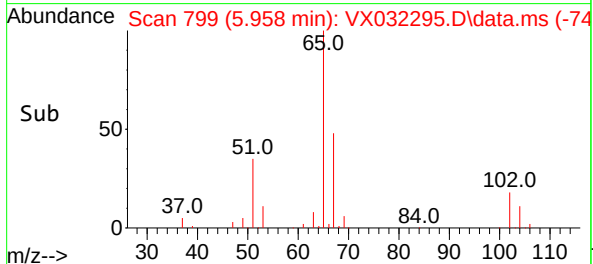
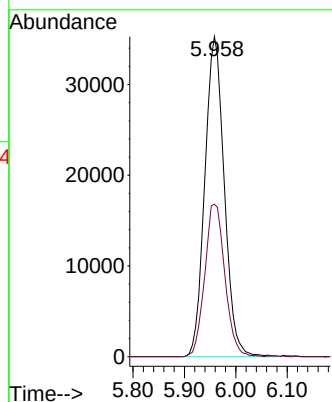
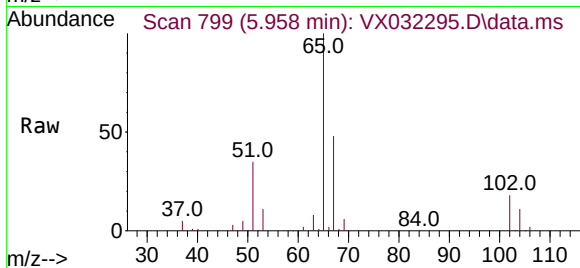
FSND-RB-20221018

Tgt Ion: 65 Resp: 92837

Ion Ratio Lower Upper

65 100

67 49.3 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX032295.D

Acq: 21 Oct 2022 17:42

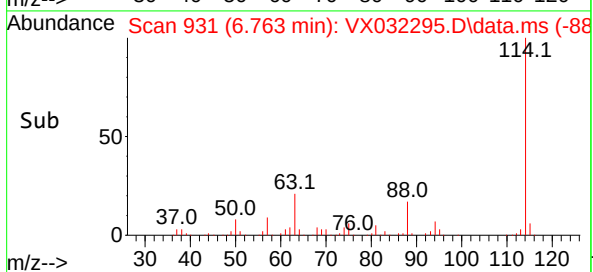
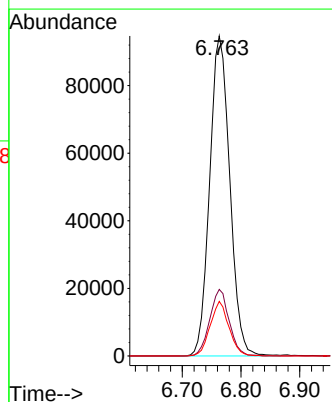
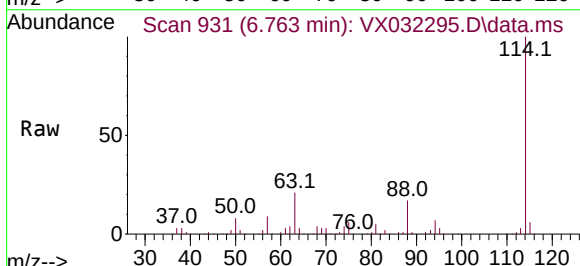
Tgt Ion: 114 Resp: 225385

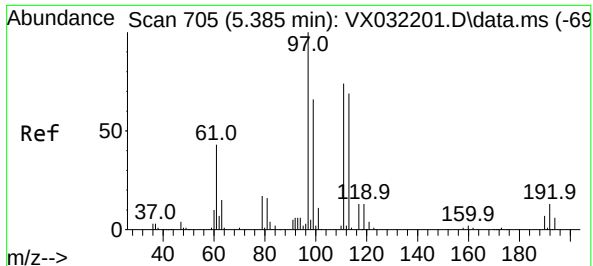
Ion Ratio Lower Upper

114 100

63 20.8 0.0 38.6

88 17.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 44.684 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX032295.D

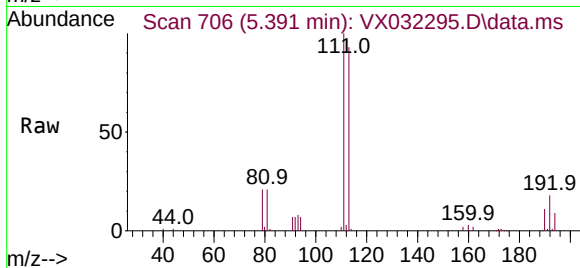
Acq: 21 Oct 2022 17:42

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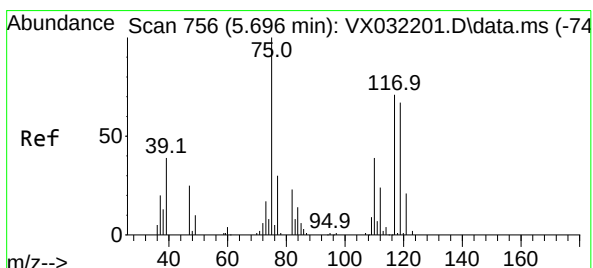
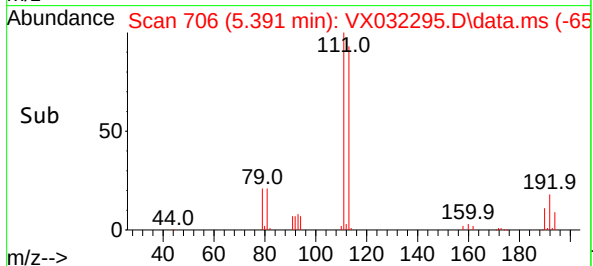
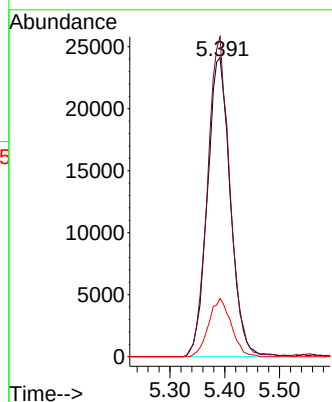
Tgt Ion:113 Resp: 70082

Ion Ratio Lower Upper

113 100

111 104.0 82.8 124.2

192 19.1 15.5 23.3



#36

1,1-Dichloropropene

Concen: 5.782 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX032295.D

Acq: 21 Oct 2022 17:42

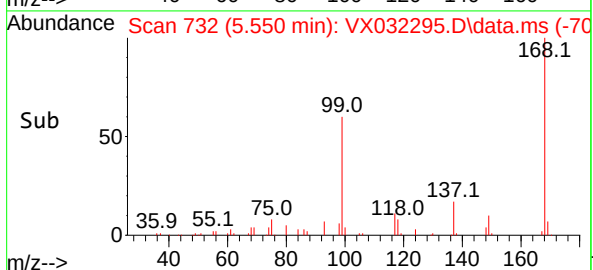
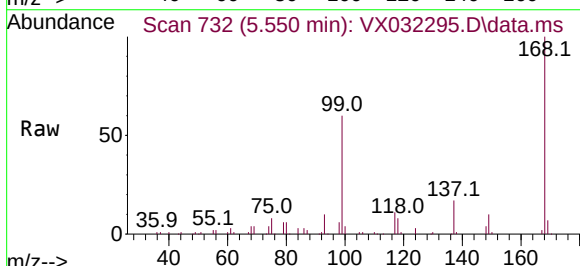
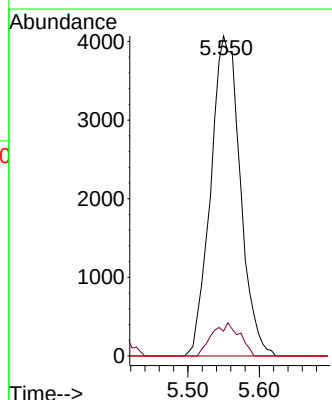
Tgt Ion: 75 Resp: 11665

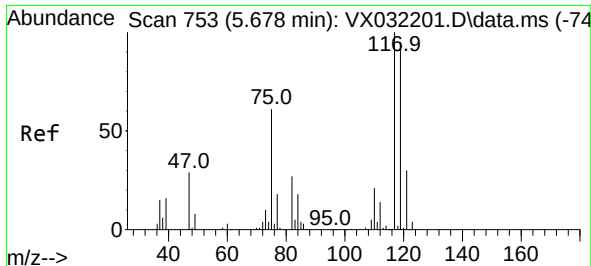
Ion Ratio Lower Upper

75 100

110 9.7 18.4 55.0#

77 0.0 24.7 37.1#

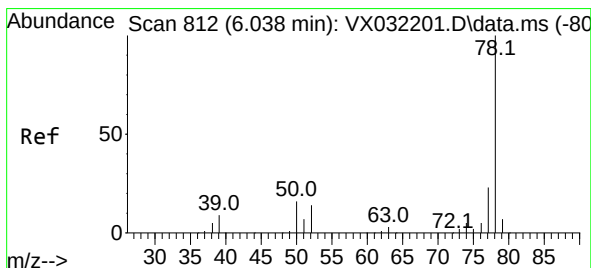
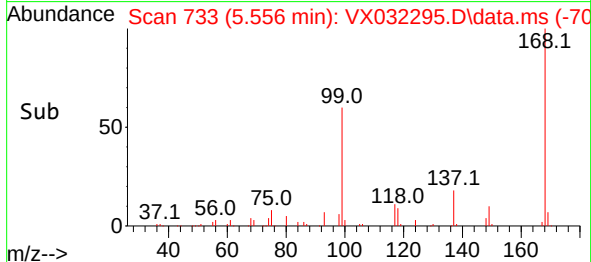
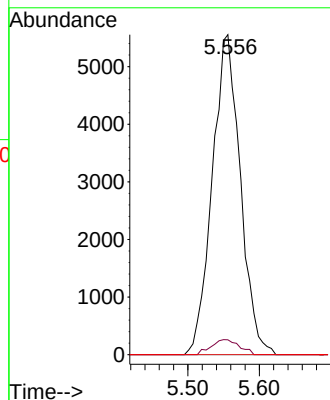
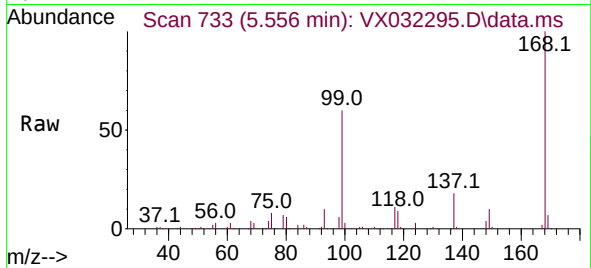




#38  
Carbon Tetrachloride  
Concen: 7.108 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX032295.D  
Acq: 21 Oct 2022 17:42

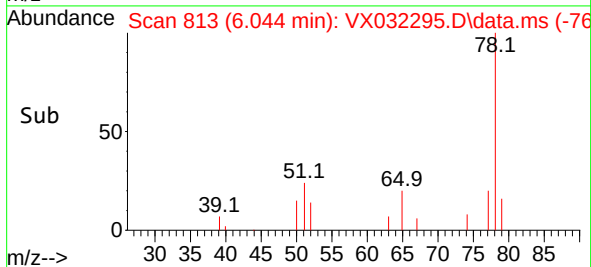
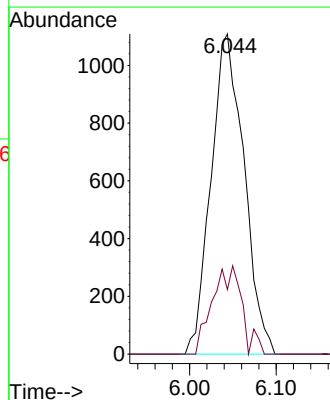
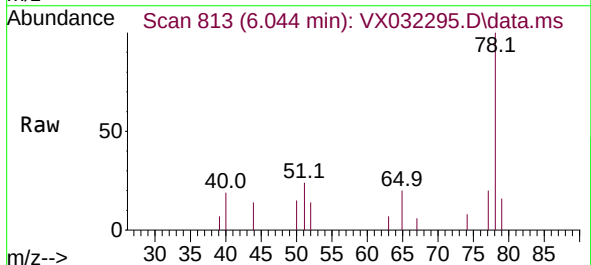
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Tgt Ion:117 Resp: 15139  
Ion Ratio Lower Upper  
117 100  
119 4.6 75.4 113.0#  
121 0.0 23.9 35.9#

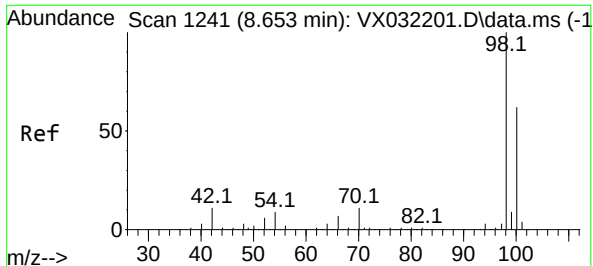


#40  
Benzene  
Concen: 0.502 ug/l  
RT: 6.044 min Scan# 813  
Delta R.T. 0.006 min  
Lab File: VX032295.D  
Acq: 21 Oct 2022 17:42

Tgt Ion: 78 Resp: 2938  
Ion Ratio Lower Upper  
78 100  
77 20.1 18.6 27.8



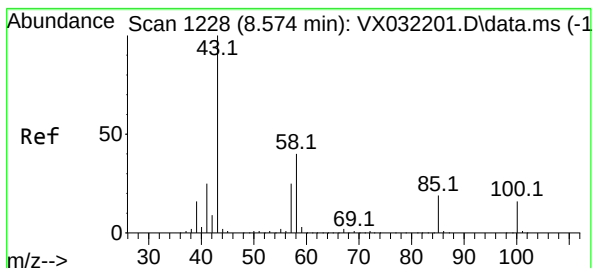
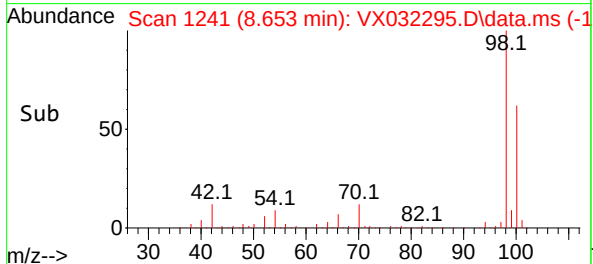
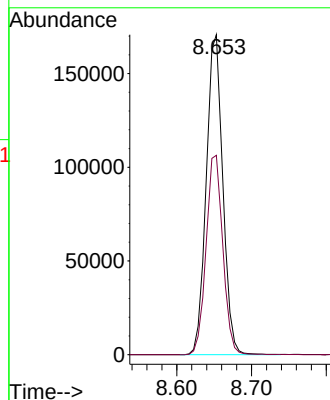
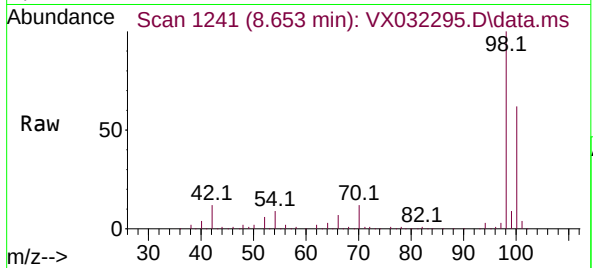




#50  
Toluene-d8  
Concen: 46.489 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX032295.D  
Acq: 21 Oct 2022 17:42

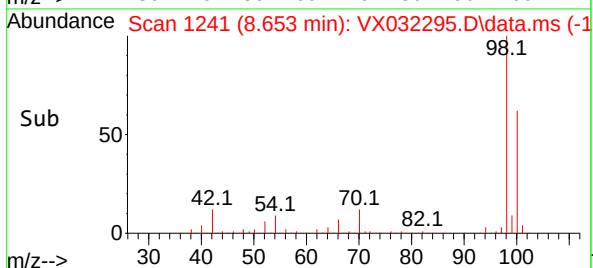
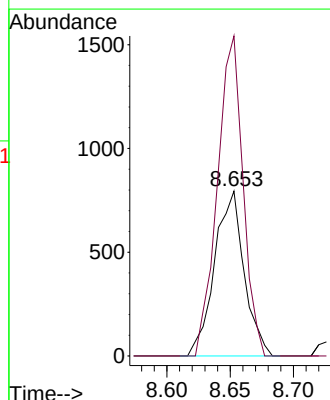
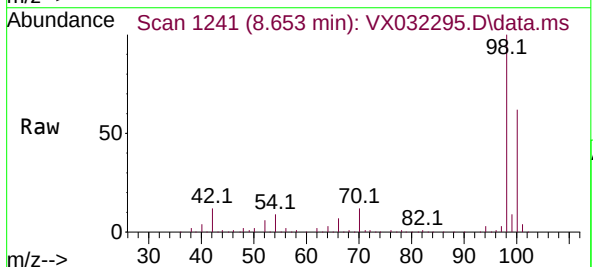
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FSND-RB-20221018

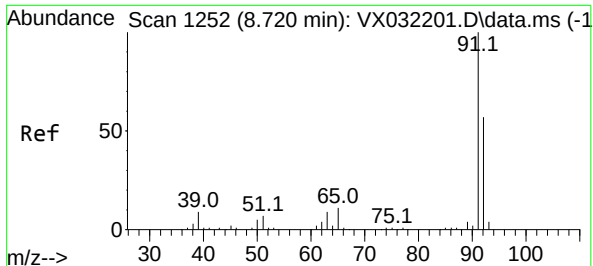
Tgt Ion: 98 Resp: 262464  
Ion Ratio Lower Upper  
98 100  
100 63.0 50.7 76.1



#51  
4-Methyl-2-Pentanone  
Concen: 0.664 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.079 min  
Lab File: VX032295.D  
Acq: 21 Oct 2022 17:42

Tgt Ion: 43 Resp: 1290  
Ion Ratio Lower Upper  
43 100  
58 168.5 31.0 46.4#





#52

Toluene

Concen: 3.131 ug/l

RT: 8.720 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX032295.D

Acq: 21 Oct 2022 17:42

Instrument :

MSVOA\_X

ClientSampleId :

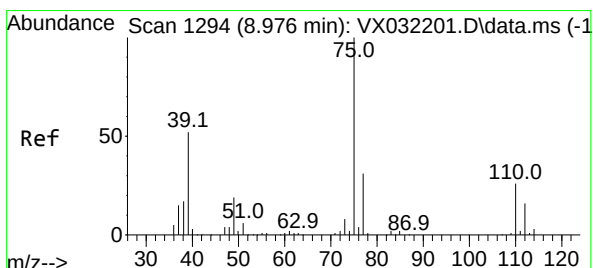
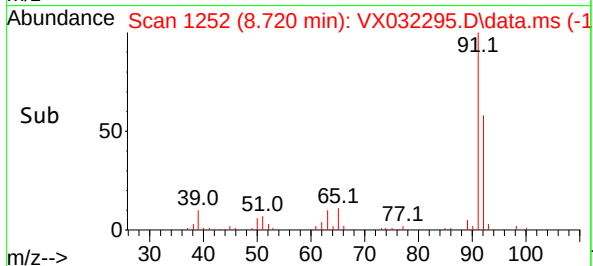
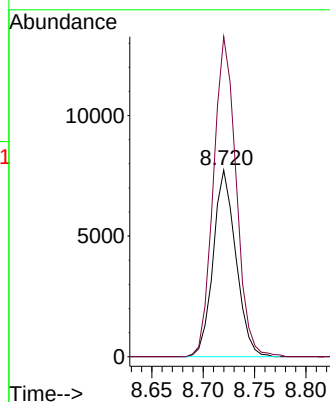
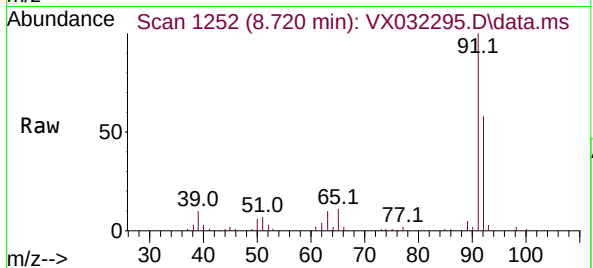
FSND-RB-20221018

Tgt Ion: 92 Resp: 11860

Ion Ratio Lower Upper

92 100

91 172.1 140.3 210.5



#53

t-1,3-Dichloropropene

Concen: 1.842 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.262 min

Lab File: VX032295.D

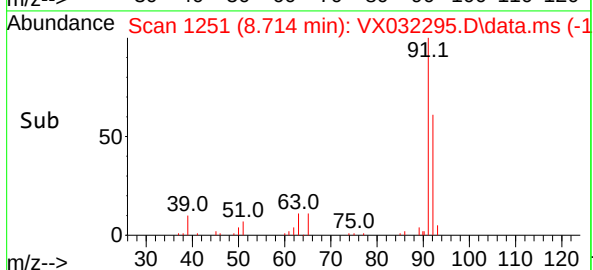
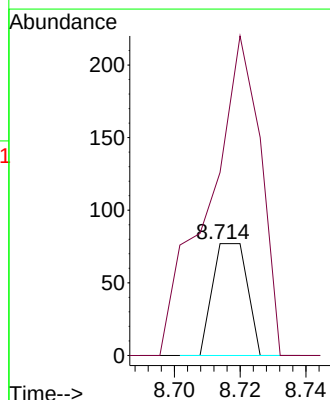
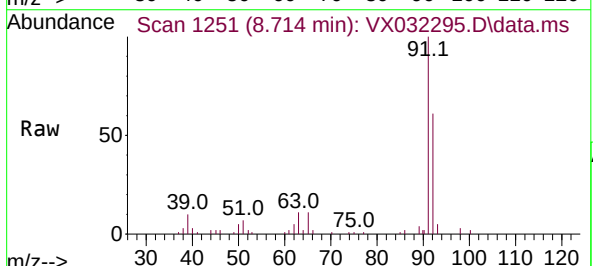
Acq: 21 Oct 2022 17:42

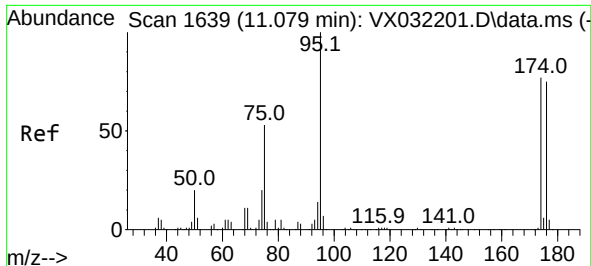
Tgt Ion: 75 Resp: 56

Ion Ratio Lower Upper

75 100

77 163.6 25.2 37.8#





#62

4-Bromofluorobenzene

Concen: 45.117 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX032295.D

Acq: 21 Oct 2022 17:42

Instrument :

MSVOA\_X

ClientSampleId :

FSND-RB-20221018

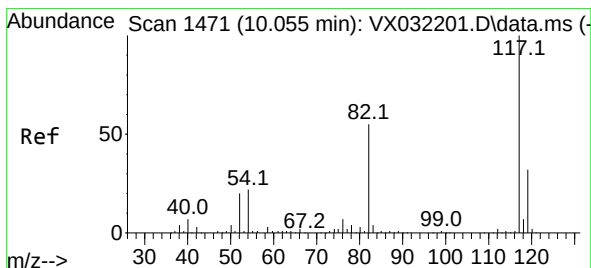
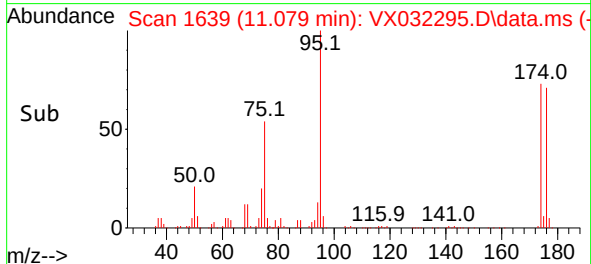
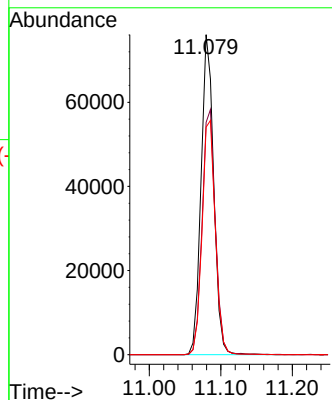
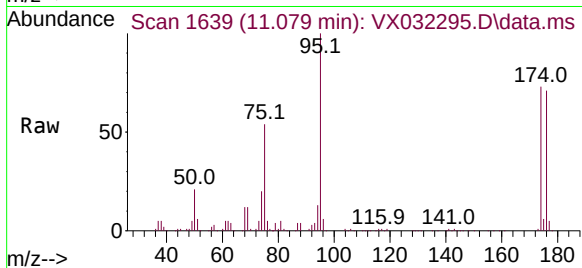
Tgt Ion: 95 Resp: 93274

Ion Ratio Lower Upper

95 100

174 80.1 0.0 166.8

176 77.1 0.0 161.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX032295.D

Acq: 21 Oct 2022 17:42

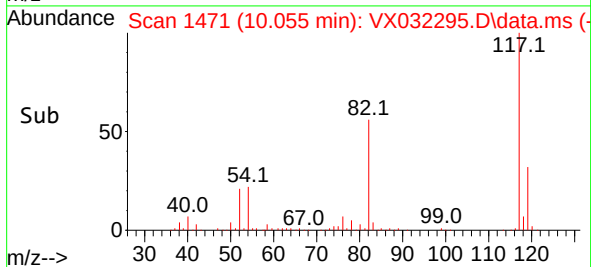
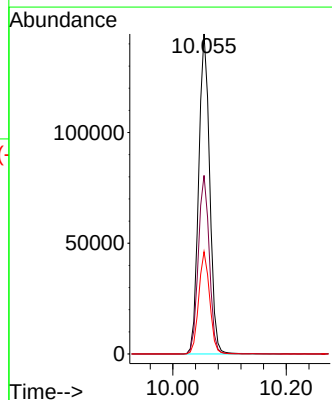
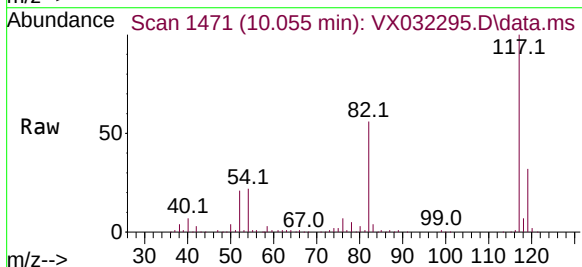
Tgt Ion: 117 Resp: 194780

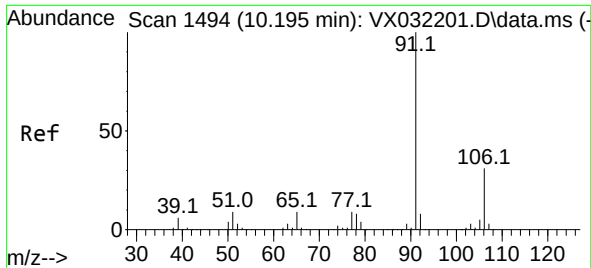
Ion Ratio Lower Upper

117 100

82 55.8 44.2 66.4

119 31.9 25.8 38.8

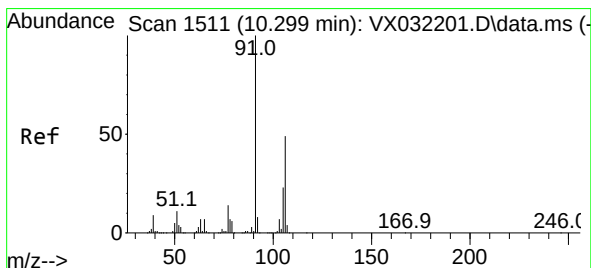
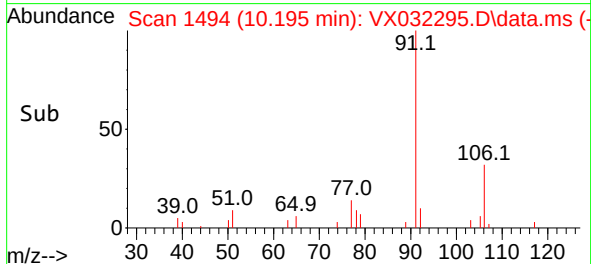
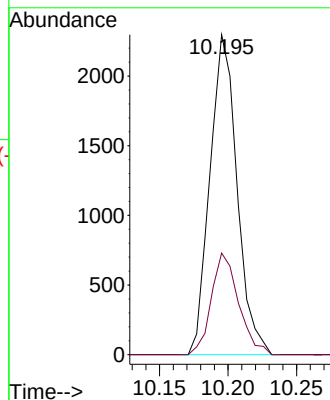
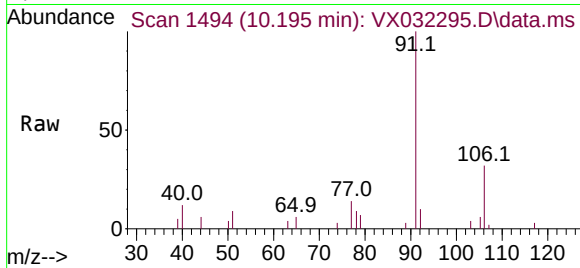




#67  
Ethyl Benzene  
Concen: 0.447 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX032295.D  
Acq: 21 Oct 2022 17:42

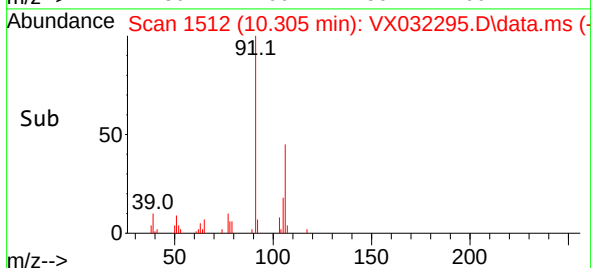
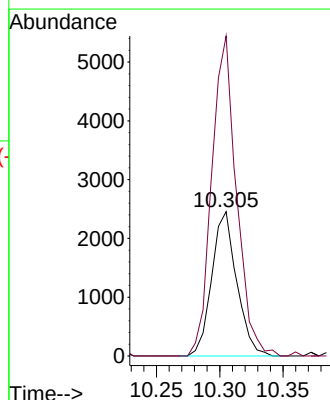
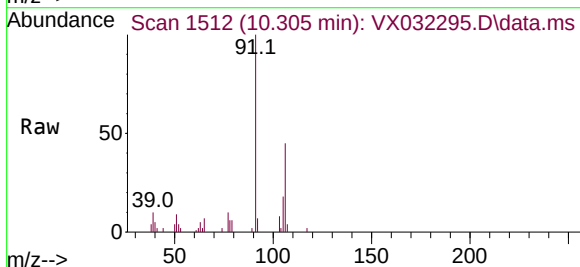
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-RB-20221018

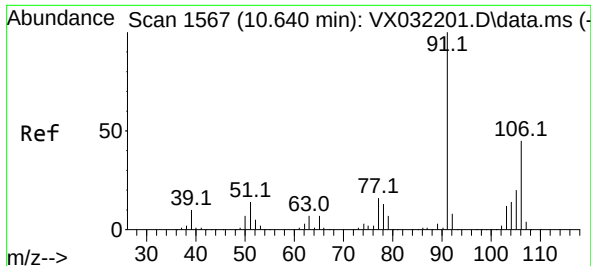
Tgt Ion: 91 Resp: 3162  
Ion Ratio Lower Upper  
91 100  
106 31.7 25.0 37.4



#68  
m/p-Xylenes  
Concen: 1.206 ug/l  
RT: 10.305 min Scan# 1512  
Delta R.T. 0.006 min  
Lab File: VX032295.D  
Acq: 21 Oct 2022 17:42

Tgt Ion: 106 Resp: 3368  
Ion Ratio Lower Upper  
106 100  
91 219.7 162.6 244.0

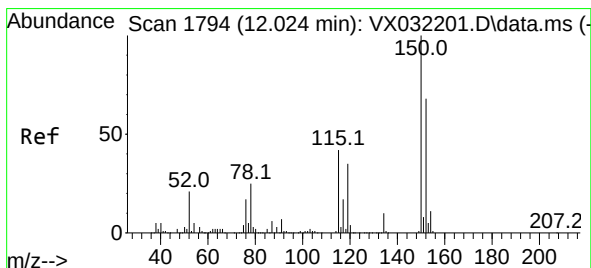
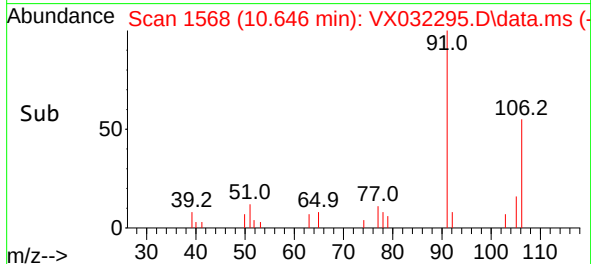
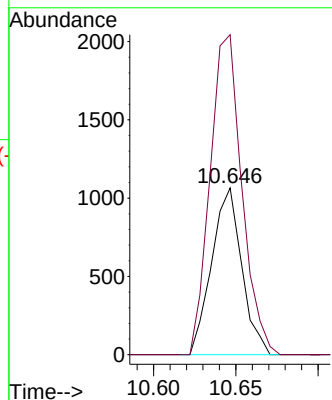
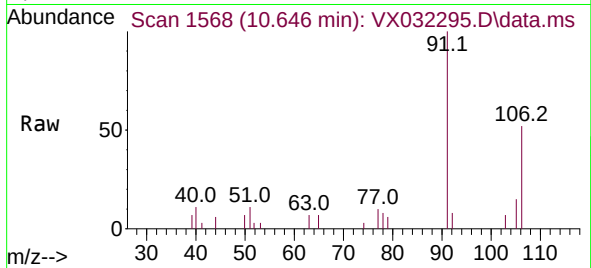




#69  
o-Xylene  
Concen: 0.506 ug/l  
RT: 10.646 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX032295.D  
Acq: 21 Oct 2022 17:42

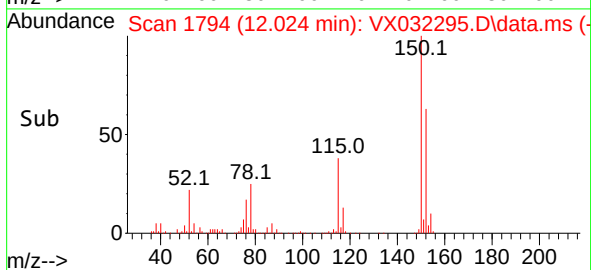
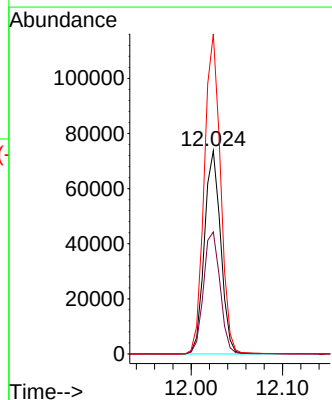
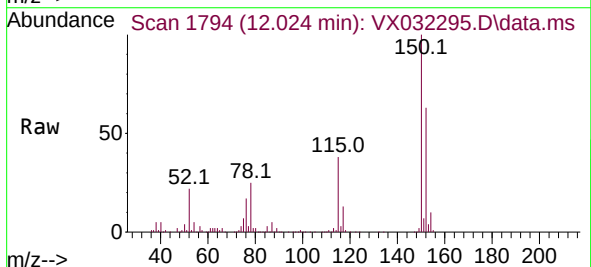
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-RB-20221018

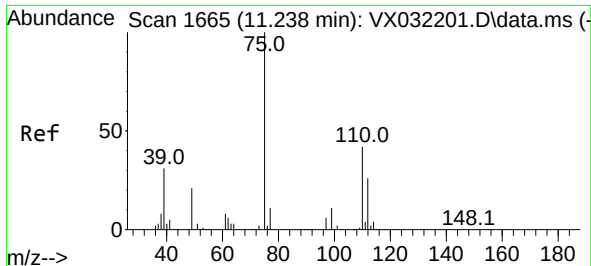
Tgt Ion:106 Resp: 1354  
Ion Ratio Lower Upper  
106 100  
91 202.9 108.3 324.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX032295.D  
Acq: 21 Oct 2022 17:42

Tgt Ion:152 Resp: 90932  
Ion Ratio Lower Upper  
152 100  
115 61.4 43.1 129.4  
150 157.6 0.0 348.6

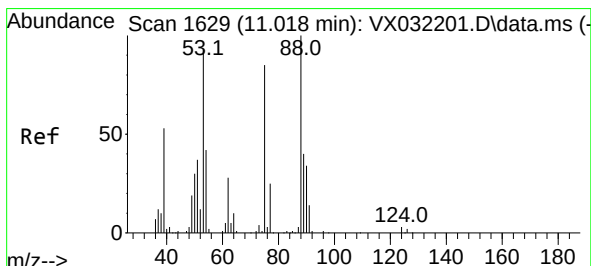
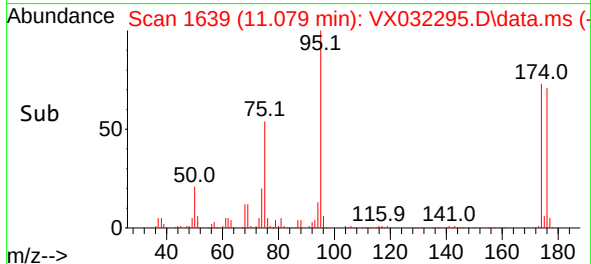
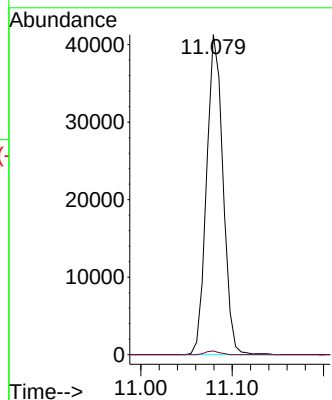
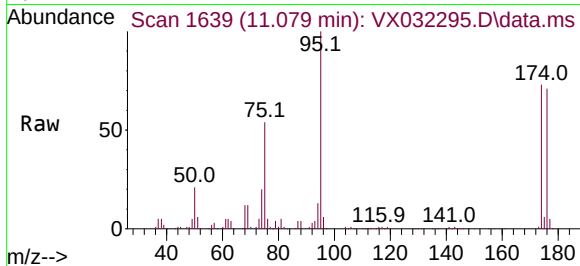




#76  
1,2,3-Trichloropropane  
Concen: 28.532 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX032295.D  
Acq: 21 Oct 2022 17:42

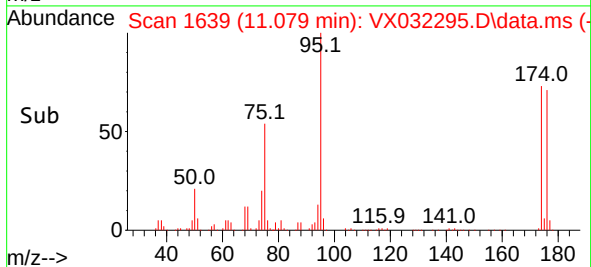
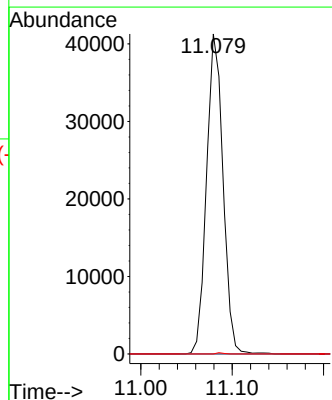
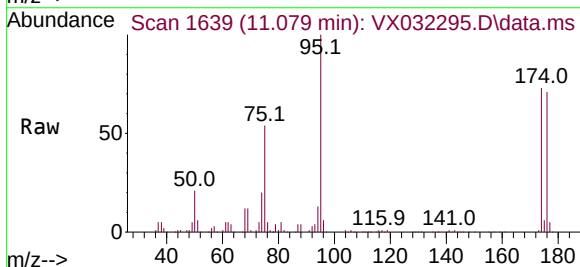
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-RB-20221018

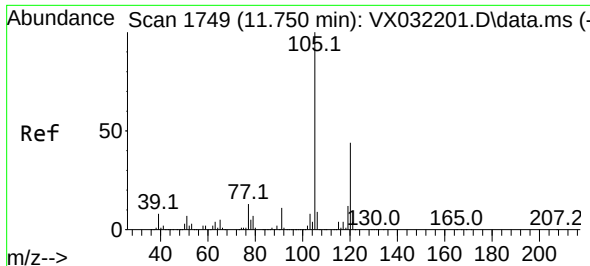
Tgt Ion: 75 Resp: 51408  
Ion Ratio Lower Upper  
75 100  
77 1.0 16.0 47.9#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 87.450 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX032295.D  
Acq: 21 Oct 2022 17:42

Tgt Ion: 75 Resp: 51408  
Ion Ratio Lower Upper  
75 100  
53 0.0 87.8 131.8#  
89 0.2 37.8 56.8#

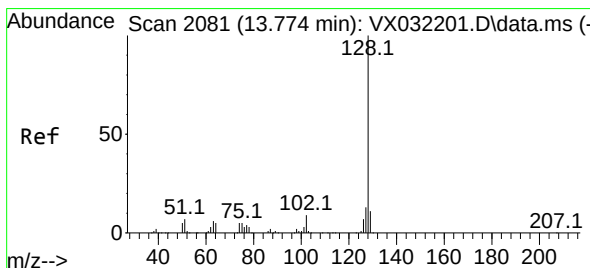
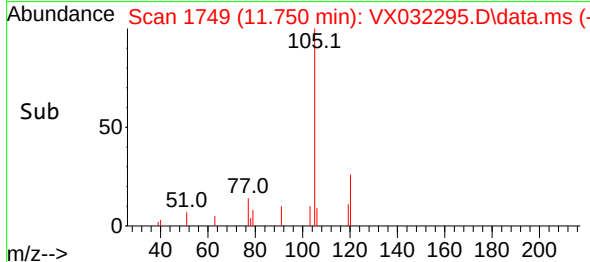
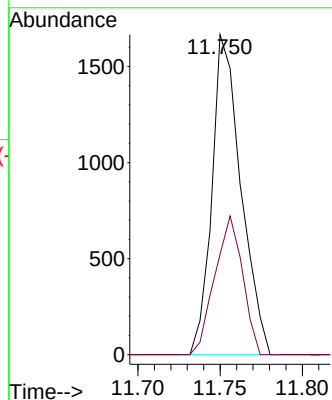
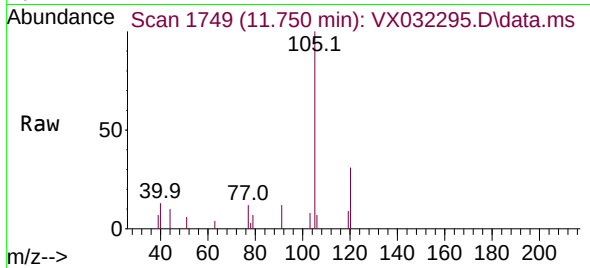




#84  
1,2,4-Trimethylbenzene  
Concen: 0.374 ug/l  
RT: 11.750 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX032295.D  
Acq: 21 Oct 2022 17:42

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-RB-20221018

Tgt Ion:105 Resp: 2039  
Ion Ratio Lower Upper  
105 100  
120 41.5 22.1 66.1



#95  
Naphthalene  
Concen: 0.266 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. 0.006 min  
Lab File: VX032295.D  
Acq: 21 Oct 2022 17:42

Tgt Ion:128 Resp: 1669  
Ion Ratio Lower Upper  
128 100  
127 13.2 10.3 15.5  
129 10.5 8.7 13.1

